



FÁBRICA NACIONAL
DE MEDICAMENTOS SA



We care.

People of Mozambique are at
the heart of what we do





Facility Overview

Details of Plant size:

1	Total Land Area	18045.71 m ²
2	Total Built-up area of General Block	1949.59 m ²
3	Total Built-up area of Beta-Lactam Block	1481.86 m ²
4	Total Built-up area of Admin Block	782 m ²
5	Total Built-up area of Utility area	341.23 m ²
6	Total Built-up area of Central Store	2010 m ²

Administrative, QA, and QC Block:

Cabins, Cafeteria, Changing Rooms, Conference Room, Quality Assurance office and Quality Control Laboratory.

Non-Betalactam Block: (Tablet and Capsules manufacturing)

01-Granulation

(RMG 600 Ltr+ FBD 600 Ltr),
Octagonal Blender
(1250L+2000L)

02-Compression lines

(49-Stations D Tooling + 45-Stations D Tooling)

01-Automatic Capsule Filling

@ 120000 Caps/Hr.

01- Blister Pack Line @240 Packs/Min.

01-Bottle/Jar packing Line

(CVC @100BPM)

Beta-Lactam Block: (Capsules and Dry Powder Manufacturing)

01-Automatic Capsule Filling

@ 120000 Caps/Hr., 01-Twin Head Automatic Dry
Powder Filling Machine

01-Blister Packing Machine

@240 Packs/Min, 01-Tablet/Capsule Counting
and Filling Machine

Central Store:

RM/PM Sampling and Storage Area and Finished Good Stores

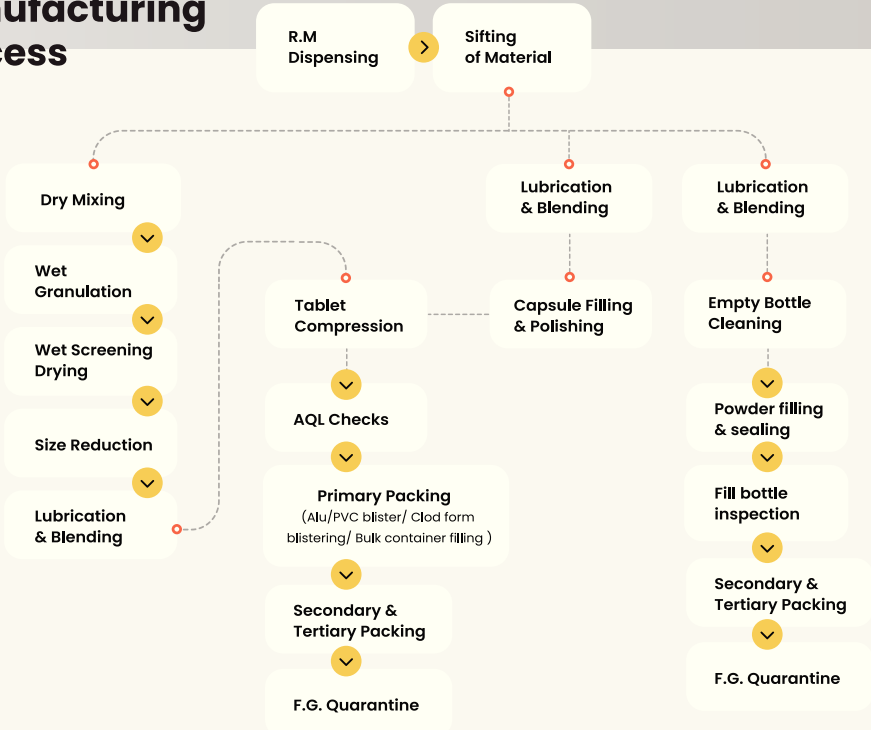
Manufacturing Capacity

Sr No	Type of Formulation	General	Beta-Lactam
1	Tablets	725 million	NA
2	Hard Gelatin Capsules	200 million	265 million
3	Dry Powder Suspension	NA	6.5 million

Major Utilities

Category	Capacity	Specification	Units
Purified Water System	Generation Capacity 250 Ltr/Hr Storage Capacity 750Ltr for General Block & 500Ltr for Beta Lactam Block	RO/EDI/UV Processed	01
Hot Water Generator	0.2 Tone/HR	NA	01
DG Set for Power back up	750KV	NA	01
Air Compressors	524CFM and 189CFM with Air Drier	Dew, Dirt and Oil free Air with ISO-8572 Compliance	02
HVAC	Dedicated for Beta and Non-Beta Lactam Block	ISO Class100,000	16-AHU for GB & 12-AHU for Beta
Water cooled Chiller	165. 14 TR	Standard	02
Effluent Treatment Plant	50 KLD	NA	01

Manufacturing Process



Major Equipment (Non- Betalactam Block)

Equipment	Capacity	Specification	Units
RMG	600 Liters	SS Body, PLC, SS Ducting	01
FBD – Top bowl out	600 Liters	SS Body, PLC, conduit piping	01
Octagonal Blender	2000 Liters 1250 Liters	SS Body, PLC, Safety guard	02
Compression Machine	45 Station	D Tooling, DR, Accura Press-II	01
Compression Machine	49 Station	D Tooling, Cadmach Machinery (C 300) with AWC	01
Metal Detectors	Target Innovation	Standard	05
Auto coater	1700 mm (Approx. 590Kg)	Gansons GAC-1700	01

Major Equipment (Non- Betalactam Block)

Equipment	Capacity	Specification	Units
Tablet/Capsule Inspection Machine	Standard	Standard	02
Roll Compactor	1000 kg/hr.	Cadmach Machinery (CMRC 300/330)	01
Lifting and Positioning Device	250 Kg	Tapasya Engineering Works	01
Integrated HDPE bottle line	100 BPM	CVC Technologies	01
Blister Pack Machine	240 packs/Min	GMP Model- RP 240	01
Capsule Filling Machine	120,000 caps/Hr.	A-120, SS Body	01
Floor Cleaning Machine	Standard, Roots Scrub E430 Floor Scrubber	Roots Multiclean Ltd	01

Major Equipment (Beta-Lactam Block)

Equipment	Capacity	Specification	Units
Blister Pack Machine	240 packs/min	GMP Model- RP 240	01
Capsule Filling Machine	120,000 caps/hr.	A-120, SS Body	01
Twin Head Automatic Dry Powder Filling Machine	60 BPM	Anchor Mark (APF)	01
SS Infra-Red umbrella drier	Standard	SS Body, Digital, Electric heat	01
Tablet/Capsule Inspection Machine	Standard	Standard	01
Capsule Polishing Machine	Standard	DPM	01
Floor Cleaning Machine	Standard, Roots Scrub E430 Floor Scrubber	Roots Multiclean Ltd	01

Major Instrument (Quality Control)

Equipment	Capacity	Specification	Units
Stability Chamber	30°/75% and 40°/75%	14290/430 Ltr, MS powder coated body	04
Dissolution Test Apparatus	Standard	8 baskets, digital	02
Electronic Balance	Standard	0.01 mg accuracy	01
BOD Incubator	20°-25°C, 30°-35°C and 40°-45°C	43 liter, GMP model	03
Autoclave	50 Liters	SS Body	02
Polarimeter	Standard	Digital	01
Mechanical Sieve Shaker	Standard	Digital, SS	01
Autotitrator	Potentiometry + KF Titration	Metrohm 906 Titrande	01

Major Instrument (Quality Control and Microbiology)

Equipment	Capacity	Specification	Units
Water Distillation Plant	Standard	2 liter/hr., SS body	01
Laminar Air Flow	NA	Horizontal, 4'L x 3'B	02
HPLC	Standard	Hitachi (UV Detector)+ Shimadzu (PDA Detector)	02+01
FTIR	NA	FTIR-8400 with DRS-8000 attachment	01
UV Spectrophotometer	Standard	Double beam printer	01
Analytical balance	80g/1000g/220g	Aczet	03
Gas Chromatography	7697A 111 Vials/7693A 150 Vials	Agilent/8890 GC System	01

Equipment Under Installation /procurement

Equipment	Capacity	Specification	Units
Automatic capsule filling machine line	200,000 Capsules per hour	ACG PAM Pharma Technologies Pvt. Ltd., MODEL ZRO 200T	01
Integrated dry syrup line with cartonator and autoshrink bundler	120 CPM	J P Machine Tools	01
Hot Water Generator	0.2 Tone/HR	NA	01
Air Cooled Chiller	207 TR @ 7°C	NA	01
HPLC	Standard	Shimadzu (UV Detector)	02
Dissolution Test Apparatus with Autosampler	Standard	8 baskets, digital	01
Fluid Bed Dryer	1300 Ltr	Aneesh Pharma	01
Air Compressor with inbuilt VFD	273 cfm @ 7 bar	Chicago Pneumatic	01
BOD incubator	90 L	MACK Pharmatech, MK * 1-90 BO	02
Autoclave	75 L	JIBIMED, LS-B75L-II	01

Strategic Partnerships

- Breaking boundaries to bring the best for people of Mozambique.
- Building relationships of trust.
- Synergistically collaborate with globally reputed brands.
- The company holds a strategic partnership with reputed brands like Viatris and Sociedade Moçambicana de Medicamentos, SA (SMM)



Technology Transfer from Viatris for crucial and cutting-edge antiretroviral treatments for Mozambique and the region



FNM partnered with SMM to revitalise their manufacturing infrastructure through a joint venture company Infarma to manufacture OSDs and Parentels in Mozambique.

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