

# Rūsan

Developing | Healing | Growing

**PROMISING**  
solutions for  
better **HEALTH**





## COMPANY BACKGROUND

Quality Healthcare That Is Easily Accessible

- Rusan Pharma Ltd. is a fully integrated global pharmaceutical company specializing in the treatment of **'Addiction and Pain Management'**.
- Currently, Rusan is one of the few Indian companies that offers a **'One-Stop-Solution'** for treating various forms of addictions such as drugs, alcohol and tobacco.
- We are one of the **largest suppliers** of life saving drugs to various organizations (**NACO, UNODC, UNOPS, Global Fund**) and **ministries of health** in various emerging markets.



## VISION

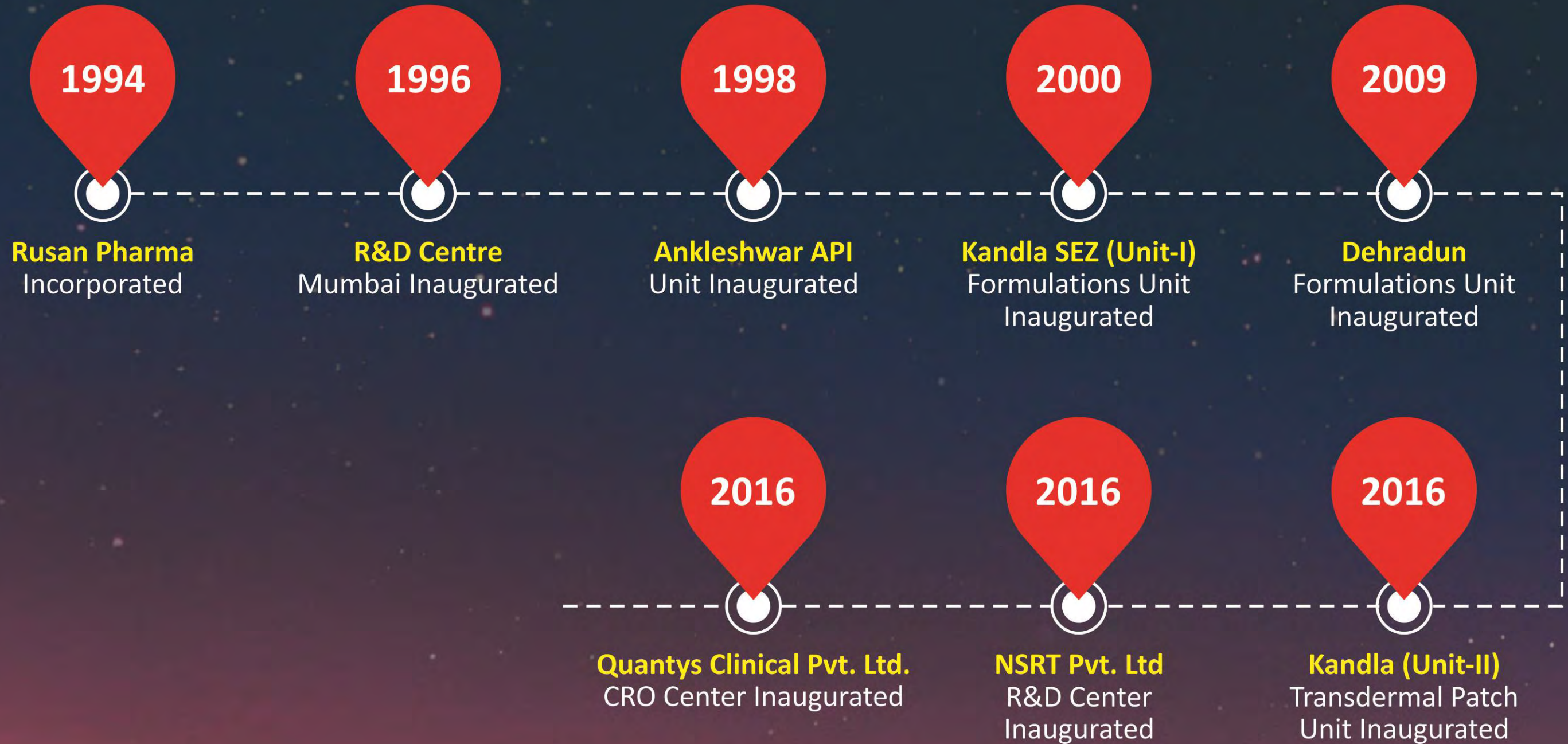
To bring forward highly innovative and technology driven treatment options for various neglected diseases with the best quality products for our consumers.



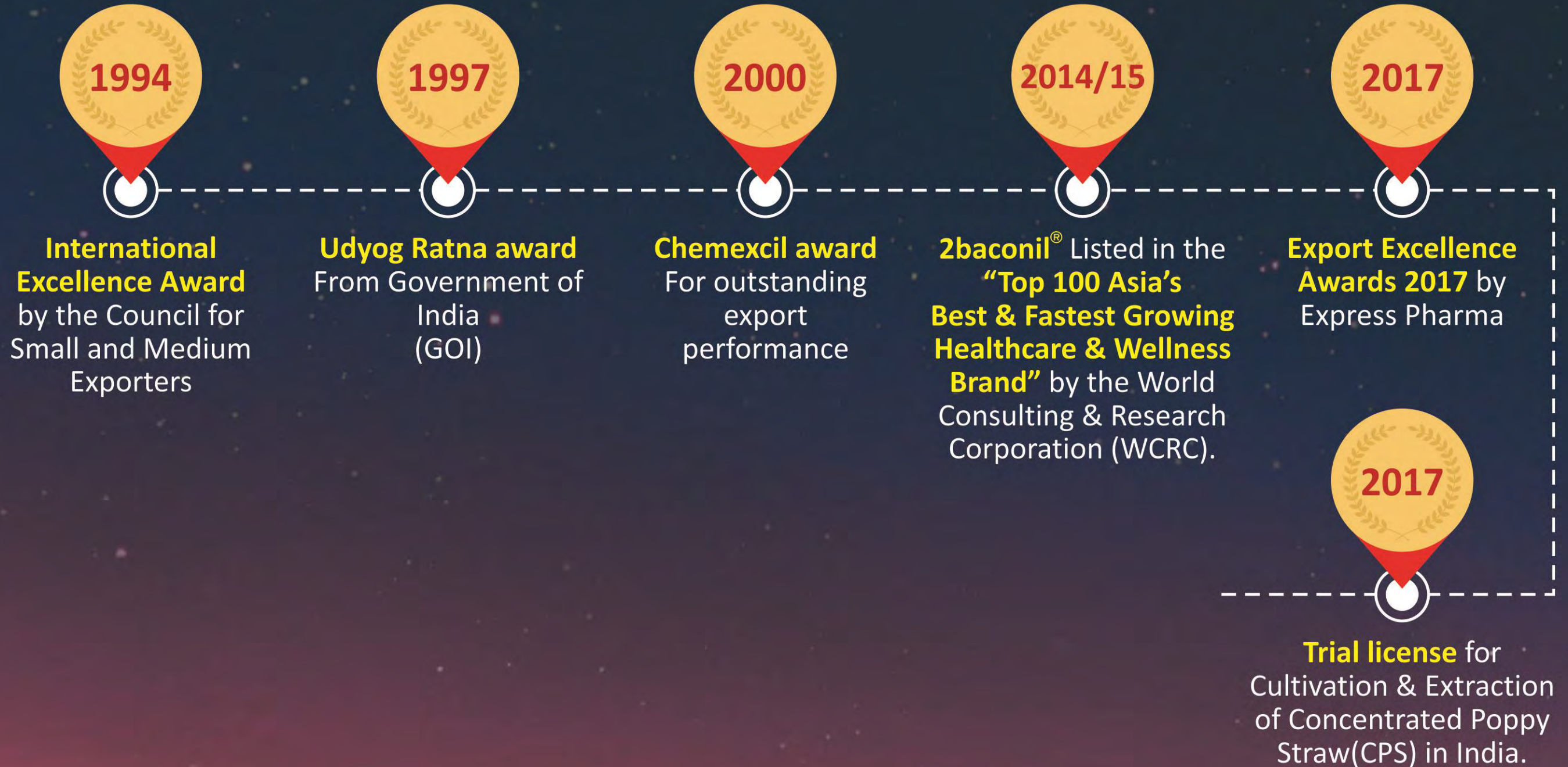
## MISSION

Rusan firmly believes that access to quality healthcare is a right, not a privilege. We will endeavour to ensure the availability of world class, quality medicines at affordable prices, across the globe and are committed to work towards a healthier & happier world.

# MANUFACTURING FACILITY MILESTONES



# AWARDS & ACCREDITATIONS



# OUR CORE SPECIALIZATION

One Stop Solution, Promoted By Innovation

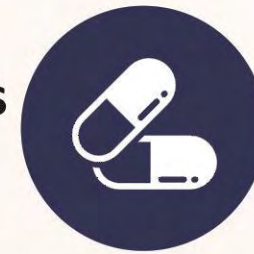
Our mantra to success is hinged on our core strengths of Research & Development, Manufacturing and Marketing of Formulations, APIs and their Intermediates.



**Specialist in Narcotics and Psychotropic drugs**



**One of the 6 notified companies in India to import Narcotics**



**Backward integration to API**



**Innovating new delivery system**



**Core specialization in De-addiction, Pain Management and Tuberculosis**

# KEY BUSINESS UNITS



API



FORMULATION

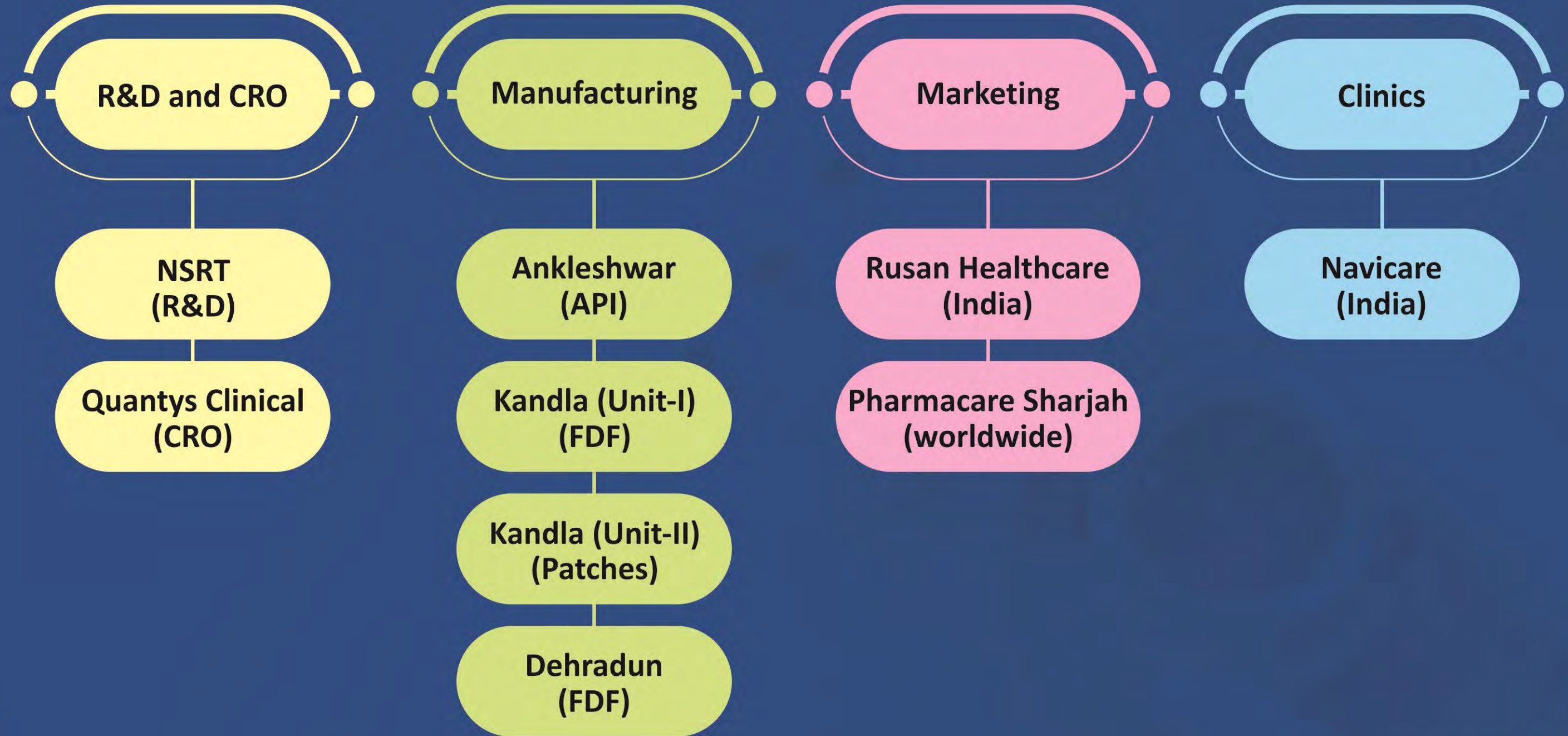


R&D



CRO

# OUR BUSINESS





# OUR GLOBAL PRESENCE





# RUSAN'S FACILITIES

## Head Office

- Mumbai

## API Facility

- Ankleshwar (Gujarat, India)

## Formulation Facilities

- Kandla SEZ (Unit-I) (Gujarat, India)
- Kandla SEZ (Unit-II) (Patches)
- Dehradun (Uttarakhand, India)

## Other Facilities

- Kandla SEZ – NSRT (R&D)
- Kandla SEZ – Quantys (CRO)

# OUR MANUFACTURING FACILITIES

**API Facility  
(Ankleshwar)**

**Formulation  
Facility  
(Kandla Unit I)**

**Transdermal  
Patch Facility  
(Kandla Unit II)**

**Formulation  
Facility  
(Dehradun)**



**API Facility  
(Ankleshwar)**

**Formulation Facility  
(Kandla Unit I)**

**Transdermal Patch Facility  
(Kandla Unit II)**

**Formulation Facility  
(Dehradun)**

## ANKLESHWAR, GUJARAT API Facility



**EDQM - Spain**



European Directorate for the  
Quality of Medicines & HealthCare



**WHO (India)**



**State GMP**



API Facility  
(Ankleshwar)

**Formulation Facility  
(Kandla Unit I)**

Transdermal Patch Facility  
(Kandla Unit II)

Formulation Facility  
(Dehradun)

## UNIT I KANDLA, GUJARAT Formulation Facility



### Facility Capabilities

Dosage Form	Units/Annum*
Tablets	10 Million
Coated Tablets	1 Million
General Capsules	788 Million
$\beta$ -Lactum Capsules	613 Million
Sachet	221 Million
$\beta$ -Lactum dry Syrup	26 Million
Vials	53 Million
Glass Ampoule	48 Million
Plastic Ampoule	1.5 Million
Cream & Ointment	11 Millions

\*Data as per two shifts of operation

Approved by

WHO (India)



State GMP



SOUTH AFRICA

**SAHPRA**

South African Health Products  
Regulatory Authority

KENYA



India - CDSCO



UAE-MOH



وزارة الصحة  
MINISTRY OF HEALTH

API Facility  
(Ankleshwar)

Formulation Facility  
(Kandla Unit I)

**Transdermal Patch Facility  
(Kandla Unit II)**

Formulation Facility  
(Dehradun)

## UNIT II KANDLA, GUJARAT Formulation Facility



Dosage form	Units/Annum*
Transdermal patch	10.8 Million

\*Data as per two shifts of operation



GMP certification

State GMP



API Facility  
(Ankleshwar)

Formulation Facility  
(Kandla Unit I)

Transdermal Patch Facility  
(Kandla Unit II)

Formulation Facility  
(Dehradun)

## DEHRADUN, UTTARAKHAND

### Formulation Facility



### Installed Capacities

Dosage Form	Area	Annual Capacity
Tablets	Tablets	2866.66 Million
Capsules		14 Million
Sachets		14 Million
Granules		2666.66 Kg
Vials	Injectables	26.66 Million
Bottles		0.07 Million
Ampoules		60 Million
Pre filled Syring		10 Million
Liquid	Liquid	6.24 Million
Transdermal patches	TDP	5.76 Million

### Approved by

WHO (India)



IDA



State GMP



Ukraine – PIC/S



Kenya - PPB



Namibia



Tanzania - TFDA



Thailand MOH



# APIs - COMMERCIAL PRODUCTS

Sr. No.	API	GRADE	CAS No.	Status
1	Buprenorphine HCl	IP / USP / Ph.Eur.	53152-21-9	CEP : R0-CEP 2017-228-Rev 00
2	Buprenorphine Base	Ph.Eur.	52485-79-7	CEP : R0-CEP 2015-387-Rev 00
3	Fentanyl Citrate	IP / USP / Ph.Eur.	990-73-8	CEP : R0-CEP 2016-023-Rev 00
4	Fentanyl Base	IP / USP / Ph.Eur.	437-38-7	CEP : R0-CEP 2016-018-Rev 00
5	Naltrexone HCl	IP / USP / Ph.Eur.	16676-29-2	CEP : R0-CEP 2016-053-Rev 00
6	Naltrexone Base	In-House	16590-41-3	DMF in CTD Format Available
7	Methylnaltrexone Bromide	USP	916055-92-0	DMF in CTD Format Available
8	Naloxone HCl	IP / USP / Ph.Eur.	51481-60-8	DMF Submitted for CEP
9	Nalbuphine HCl	In-House	23277-43-2	Filed in S. Africa & Ukraine
10	Bisoprolol Fumarate	IP / BP / USP / Ph.Eur.	104344-23-2	DMF in CTD Format Available
11	Nalmefene HCl	In-House / CHP	58895-64-0	DMF in CTD Format Available
12	Eflornithine HCl	In-House	96020-91-6	EMA Approved / Submitted to USFDA (Active)
13	Apomorphine HCl	IP / USP / Ph.Eur.	41372-20-7	DMF Submitted for CEP
14	Methadone HCl	IP / USP / Ph.Eur.	1095-90-5	CEP: R0-CEP 2017-277-Rev 00
15	Promedol HCl	In-House Russian ND	64-39-1	Registered in Russia & Kazakhstan
16	n-Butyl Cyanoacrylate	In-House	6606-65-1	-
17	Pregabalin	USP / Ph.Eur.	148553-50-8	-
18	Dinalbuphine Sebacate	In-House	311768-81-7	-



# DELIVERING NEW DRUG DELIVERY SYSTEMS



**TRANSDERMAL PATCHES**

DEVELOPED	UNDER DEVELOPMENT
Nicotine Patch	Lidocaine Patch
Fentanyl Patch	Oxybutinin Patch
Buprenorphine Patch	Rivastigmine Patch
	Rotigotine Patch



**IMPLANTS**

DEVELOPED	UNDER DEVELOPMENT
Naltrexone Implant	Buprenorphine Implant



**ORAL FILM**

DEVELOPED	UNDER DEVELOPMENT
Nicotine Oral Film	Buprenorphine Naloxone Oral Film



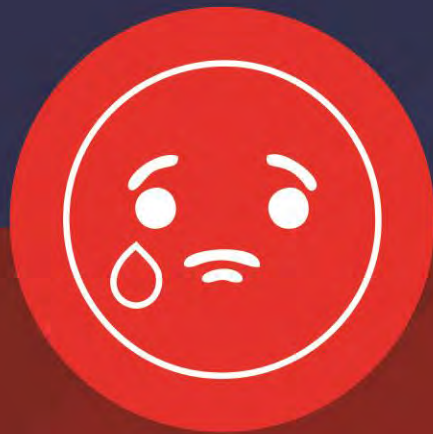
# **PAIN MANAGEMENT**

**Your Trusted Partner For  
Effective Pain Management**

**Good Health Is Vital  
For Blissful Living**

# SEVERE PAIN

Freedom From Pain



## FENSTUD<sup>®</sup>



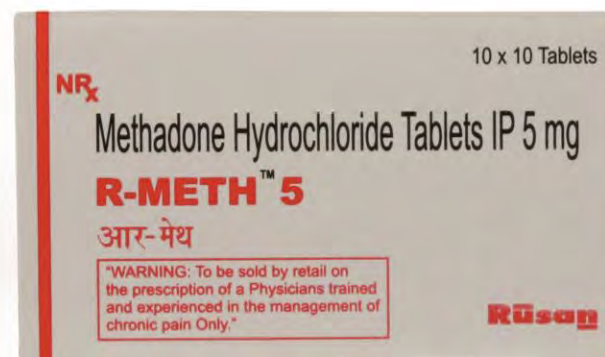
**Generic Name:** Fentanyl  
**Dosage Form:** Injection/Transdermal Patches  
**Strength:** Inj. - 50 mcg/ml (2ml & 10ml)  
 Transdermal Patches-12.5/25/50/75/100 mcg/hr

## RUMORF<sup>®</sup>



**Generic Name:** Morphine Sulphate  
**Dosage Form:** Injection/Tablets  
 /Sustained Release Tablets  
**Strength:** Inj. - 10 & 15 mg/ml (1ml)  
 I.R. Tab - 10 & 30 mg | S.R. Tab - 10 & 30 mg

## R-METH<sup>™</sup>



**Generic Name:** Methadone  
**Dosage Form:** Tablets  
**Strength:** 5 & 10 mg

## RUPATCH<sup>™</sup>

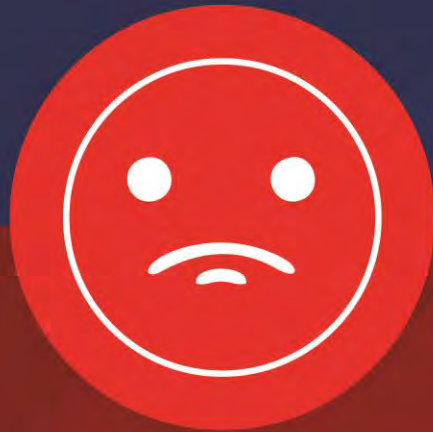


**Generic Name:** Buprenorphine  
**Dosage Form:** Transdermal Patches  
**Strength:** 5/10/20 mcg/hr

**SOLUTIONS AS PER PAIN TYPES**

# MODERATE PAIN

Freedom From Pain



## SOLUTIONS AS PER PAIN TYPES

### TRADOL<sup>®</sup>



**Generic Name:** Tramadol /  
Tramadol + Paracetamol  
**Dosage Form:** Injection / Dispersible tablets  
**Strength:** Inj: 50 mg/ml (1ml & 2ml)  
Dispersible Tab: 37.5+325 mg

### RUBUPHINE<sup>™</sup>



**Generic Name:** Nalbuphine  
**Dosage Form:** Injections  
**Strength:** 10 & 20 mg/ml

### ADDNOK<sup>®</sup>



**Generic Name:** Buprenorphine  
**Dosage Form:** Sublingual tablets  
**Strength:** 0.2 / 0.4 mg

### CODAMOL



**Generic Name:** Paracetamol & Codeine  
Phosphate  
**Dosage Form:** Tablets  
**Strength:** 500/8 mg

# MILD PAIN

Freedom From Pain



## SOLUTIONS AS PER PAIN TYPES

### BIORAN RAPID<sup>®</sup>



**Generic Name: Diclofenac**  
**Dosage Form: Dispersible Tablets**  
**Strength: 46.5 mg**

### BIORAN<sup>®</sup> TABLETS



**Generic Name: Diclofenac**  
**Dosage Form: Tablets**  
**Strength: 50 mg**

### BIORAN<sup>®</sup> INJECTIONS



**Generic Name: Diclofenac**  
**Dosage Form: Injection**  
**Strength: 25 mg/ml (3ml)**

### BIORAN<sup>®</sup> GEL



**Generic Name: Diclofenac**  
**Dosage Form: Gel**  
**Strength: 1.16 mg (15 & 30 g)**

# DE-ADDICTION

Freedom From Dependence



# DRUG DE-ADDICTION

Freedom From Dependence



## R-METH™



**Generic Name: Methadone**  
**Dosage Form: Syrup**  
**Strength: 1/5/10/25 mg/ml (100ml, 500ml, 1ltr)**  
 with sugar and sugar free

## ADDNOK®



**Generic Name: Buprenorphine**  
**Dosage Form: Sublingual Tablets**  
**Strength: 0.4/2/4/8 mg**

## ADDNOK® -N



**Generic Name: Buprenorphine + Naloxone**  
**Dosage Form: Sublingual Tablets**  
**Strength: 0.4+0.1 mg/2+0.5 mg/8+2 mg**

## VERSO™



**Generic Name: Naloxone**  
**Dosage Form: Pre-Filled Syringe/Ampoule/ Self Injector**  
**Strength: 0.4 mg/ml (1ml)**



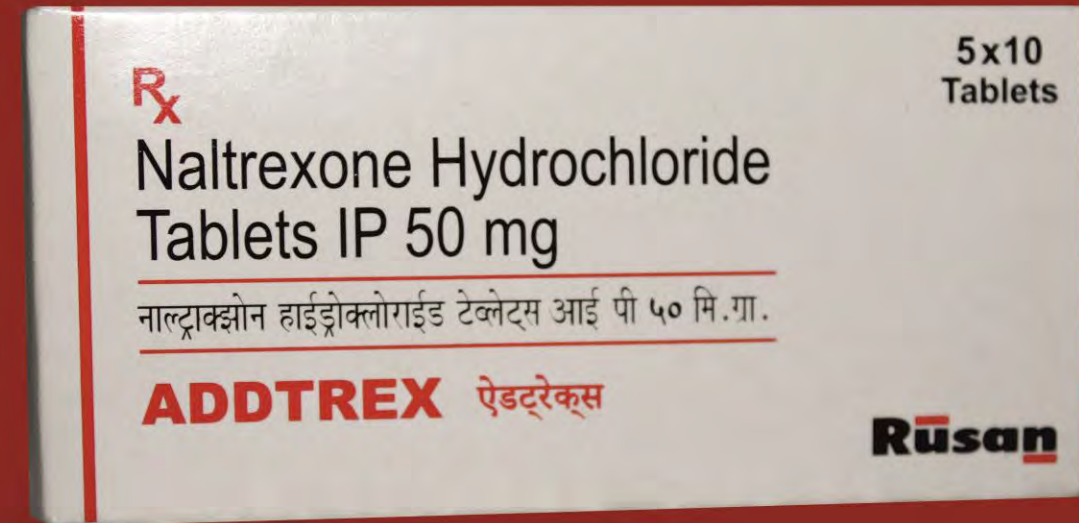
# ALCOHOL DE-ADDICTION

Freedom From Dependence

## ADDTREX<sup>®</sup>



Generic Name: Naltrexone  
Dosage Form: Implant  
Strength: 765 mg/implant



Generic Name: Naltrexone  
Dosage Form: Film Coated Tablets  
Strength: 50 mg





# TOBACCO DE-ADDICTION

Freedom From Dependence



## WIN AGAINST SMOKING WITH 2baconil®

HELPS QUITTING IN 12 WEEKS



2baconil® Patch  
Transdermal patch  
21mg, 14mg, 7mg



2baconil® Gum  
Nicotine gum  
2mg / 4 mg

# OTC PRODUCTS





## Ephact-Sip

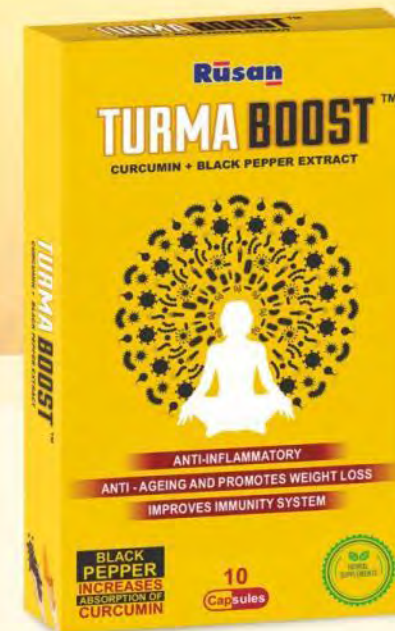
**Relief of Cold and Flu symptoms**

Paracetamol (320mg) +  
Pheniramine maleate (20mg)  
Phenylephrine Hcl (10mg) +  
Ascorbic acid (50mg)  
(21.5g / sachet)



## ISPAHUSK ORANGE

**Ispaghula Husk Powder**  
**Relief from Constipation**  
(3.5g / sachet)



## TURMA BOOST™

**Curcumin (400mg) +  
Piperine (5mg) extract**  
**Improves Immune System  
and Anti-Ageing**



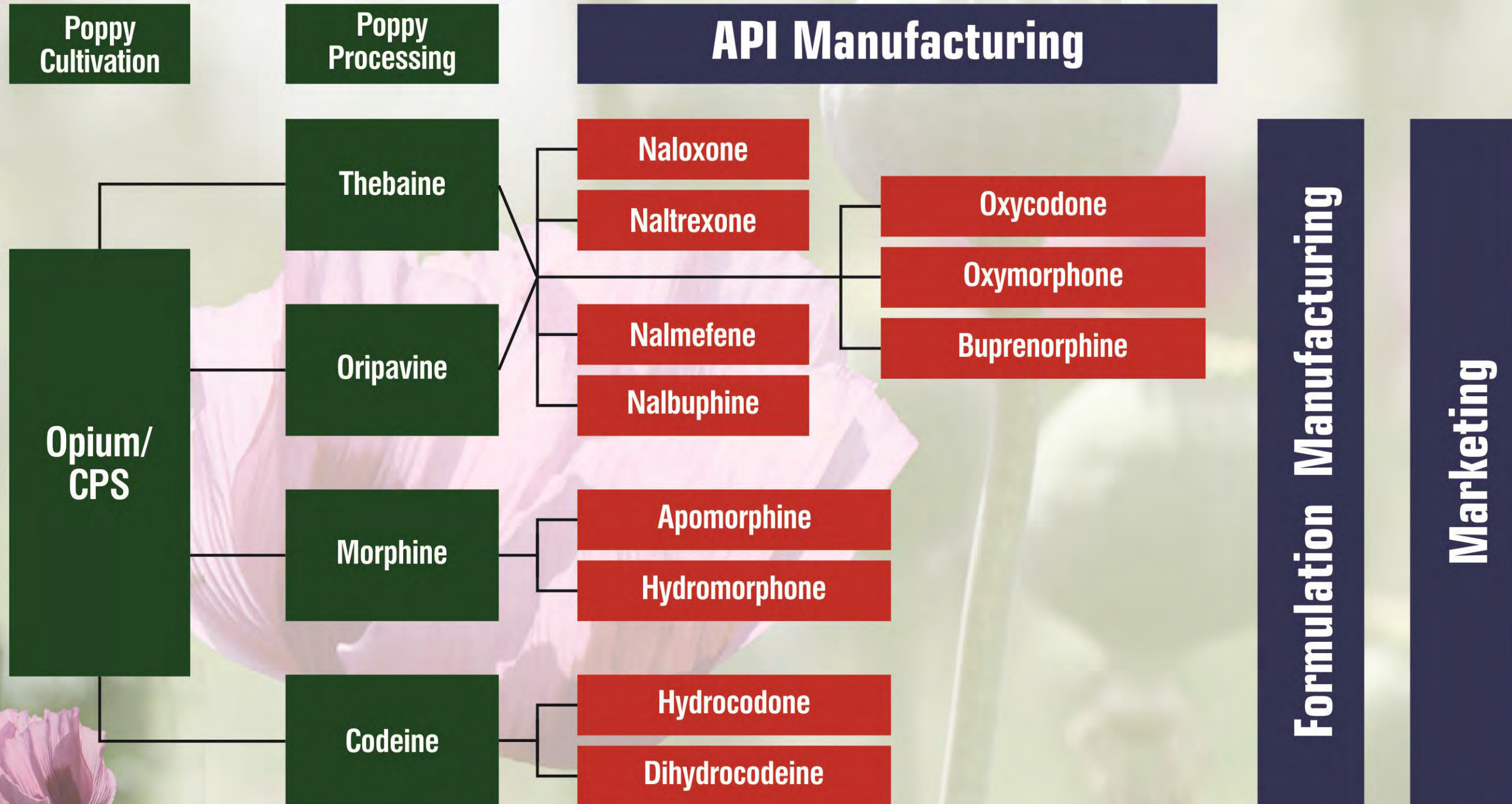
## RuVega™ PERILLA OIL OMEGA 3

**Omega 3 fatty acid (413 mg) +  
Omega 6 fatty acid (99 mg) From perilla**  
**Healthy Heart | Healthy brain |  
Healthy Immunity**

# OUR CORE STRENGTH

## CONTROLLED SUBSTANCES

# RUSAN'S BUSINESS SPECTRUM



**EXCLUSIVE LICENSE BY GOVERNMENT OF INDIA (GOI)  
FOR CULTIVATION & EXTRACTION OF  
CONCENTRATED POPPY STRAW (CPS)**

## Rusan - License for Cultivation & Extraction of CPS in India.

File No. N.616/01/2007-NC-1  
Government of India  
Ministry of Finance  
Department of Revenue  
\*\*\*\*\*

Room No. 48-c, North Block,  
New Delhi, 27 October, 2017

To

Shri B.A. Patil,  
Director.  
Rusan Pharma Ltd.  
58-D, Governemtn Industrial Estate,  
Charkop, Kandivali (w),  
Mumbai-400067

**Subject: Inviting application for trial cultivation of poppy crop production of concentrated poppy straw and extraction of alkaloids therefrom-regarding**

Sir,

I am directed to inform you that the application dated 23.09.2017 for trial cultivation of poppy crop production of concentrated poppy straw and extraction of alkaloids therefrom has been accepted by this Ministry. You are therefore, requested to obtain necessary license from CBN for undertaking cultivation in accordance with the NDPS Rules.

Yours faithfully,



(Dinesh Boddh)  
Deputy Secretary to the Government of India  
Tele:23092686  
Email: [dirnc-dor@nic.in](mailto:dirnc-dor@nic.in)



# **INTERNATIONAL COLLABORATIONS FOR COMPREHENSIVE DE-ADDICTION TREATMENT**



## Brazil MoH



**1 - Mr. Emmanuel Carneiro**  
General Coordinator Of Pharmacy

**2 - Mr. Ricardo Barros**  
Minister of Health

**3 - Dr. Kunal Saxena**  
Managing Director, Rusan Pharma

**4 - Mr. Quirino Cordeiro**  
Secretary of state for Mental Health

## South Africa MoH



**1 - Hon'ble Jacob Zuma**  
President South Africa

**2 - Dr. Navin Saxena**  
Chairman, Rusan Pharma

## Myanmar MoH



**1 - Dr. Win Myat Aye Union Minister of Social Welfare**

**2 - Dr. Myint Htwe Union Minister, Ministry of Health**

**3 - Dr. Kunal Saxena Managing Director, Rusan Pharma**

**4 - Brig.Gen. Myint Aung Joint Secretary, Ministry of Home Affairs (CCDAC)**

**5 - Dr. Htay Aung Deputy Director, Ministry of Health**

## Angola MoH



**1 - Dr. Sucami Andre**

Deputy Director, Instituto Nacional de Luta Anti-Drogas (MoH, Angola)

**2 - Hon'ble John Mututho**

Ex-Chairman, NACADA (MoH, Kenya)

**3 - Dr. Ana Graca**

Director, Instituto Nacional de Luta Anti-Drogas (MoH, Angola)

**4 - Dr. Indira Santos**

Lawyer, Instituto Nacional de Luta Anti-Drogas (MoH, Angola)

## Zambia MoH



**1 - Dr. Margaret Chibowa**

Senior Medical Superintendent - Chainama Hills College Hospital

**2 - Mr. John Mayeya**

Chief Mental Health Officer (MoH, Zambia)

**3 - Ms. Mwaka M. Ndeke**

Principal Nursing Officer-Chainama Hills College Hospital

**4 - Dr. Mzaza Nthele**

Director-Clinical Care and Diagnostic Services-(MoH)



# Research & Development

## An integrated approach to Research & Drug Development

Computer Aided  
Drug Design  
(CADD)

API

FORMULATIONS  
DEVELOPMENT

QC

QA

### NSRT – Focus

- |                              |  |
|------------------------------|--|
| <b>CNS Drugs</b>             | - Parkinson's, Alzheimer's, Schizophrenia                    |
| <b>Orphan Drugs</b>          | - Dengue, Malaria, MDR-Tuberculosis, Zika                    |
| <b>Addiction</b>             | - Drugs, Alcohol, Tobacco                                    |
| <b>Pain Management</b>       | - Long-Acting Formulations / Abuse Deterrent                 |
| <b>Platform Technologies</b> | - New Drug Deliveries using nanotech, needle-free technology |

Expertise in handling **Narcotic & Psychotropic** controlled substances formulations as per the rules & regulations of India

# STATE-OF-THE-ART FACILITY (NSRT)

## API



Gram Scale Lab



Kilo Scale Lab

## Formulation Development



Lab Scale



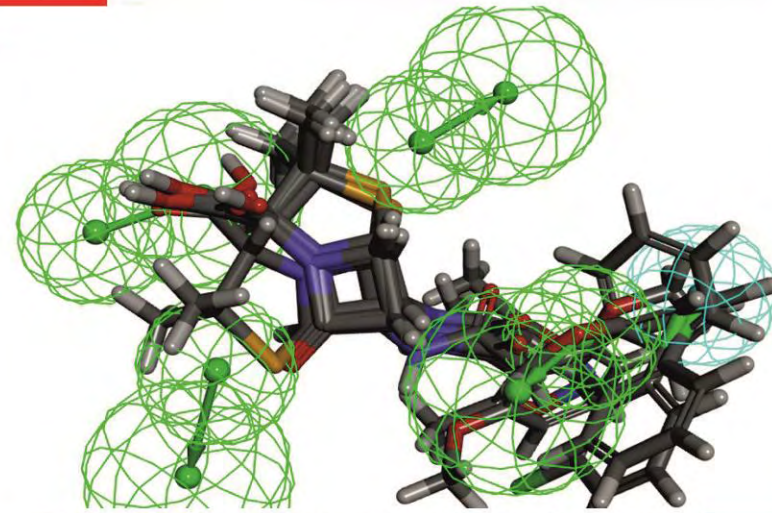
Kilo Scale Lab



Nanotechnology Development

# STATE-OF-THE-ART FACILITY (NSRT)

CADD



CADD



CADD

QC



Gas Chromatography



HPLC



XRD



**Clinical Research Organisation**



# FULL SPECTRUM OF CRO SERVICES

**BA/BE**

(Healthy subjects)

**CLINICAL DEVELOPMENT**

(Patient studies)

**ALLIED SERVICES**

(Medical writing, Regulatory services/  
Pharmacovigilance services)

INDEPENDENT CRO OFFERING WORLD CLASS SERVICES TO  
**PHARMACEUTICAL | NUTRACEUTICAL | BIOTECHNOLOGY INDUSTRIES**



**Injectables**



**Liquid**



**Transdermal Patch**

## Dosage Forms



**Topical Cream**



**Solid**



**Inhalers oral  
& Nasal spray**

# STATE-OF-THE-ART FACILITY (QUANTYS)



**104 beds  
5 independent clinics**



**LCMS / MS**



**Ultra Low Temperature Freezers**



**Pathology Lab**



**Bioanalytical lab**



**e-CRF based paperless process**



**THANK YOU**

**Rūsan**

[www.rusanpharma.com](http://www.rusanpharma.com)  
[enquiry@rusanpharma.com](mailto:enquiry@rusanpharma.com)