Strengthening the innovation ecosystem in India

Subgroup 1: Regulatory

Session Document

July 2020



Subgroup created to draft and finalize policy on Regulatory Issues

4 pre-defined objectives of the subgroup



The sub-group, after detailed deliberations, submitted their report to the core group on the specific issues allotted to them Consolidated draft report created by subgroup

Objective	Scope
Identify issues and challenges	Identify the current issues and challenges in the existing regulatory structure and requirements
Study global best practices	Study global best practices based on USFDA and European regulatory systems
Propose interventions	Use the learnings from global best practices to identify interventions in Indian context to simplify regulatory structure and requirements
Frame policy	Frame policy for accelerated drug approvals under various categories

Constitution of the Regulatory subgroup



Kiran Mazumdar Shaw
Chairman
Executive Chairman, Biocon
Limited



V G Somani Convener DCGI



Alka SharmaAdviser/Scientist 'G', DBT



George PataniHon. General Secretary, IDMA



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Contents

Building blocks for creating an enabling regulatory landscape

Recommendations to create an enabling regulatory landscape

Annexures

Indian Innovation will need enabling and globally benchmarked regulations

Deep dive ahead

Challenges	Detailed description
Processes	Multi-ministerial rounds of regulatory approvals leading to inordinately long timelines Need for defined timelines for regulators to review and respond
Guidelines	Need for defined guidelines across drug classes. (e.g. Biosimilar Guidelines were well thought out based on risk rationalization and key clinical & quality criteria)
Predictability	Improved visibility (real time tracking) of applications through online submissions at various stages
Regulatory Capacity	Strengthen capacity in regulatory bodies to augment capabilities
	Improved consistency in expert guidance/ regulatory processing.
Governance	Need for dedicated project management capacity for new drug applications to optimize review and approval timelines.

Access & Affordability

Safe, Efficacious & Quality Medical Products

Guiding Principles

India's aspiration to innovate will require a regulatory system in line with International guidelines.

Abbreviated Regulatory pathways must be based on a robust regulatory review process that has scientific justification.

Addressing the country's socio-economic necessities through essential and unmet medical needs must drive pharmaceutical innovation. Affordable access must be the driving principle.

Digital platforms must aim to deliver efficiency, predictability, transparency and confidentiality.

Fast track regulatory pathways must address national emergencies, new technologies, orphan and rare diseases and life saving therapeutics

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6 critical areas identified requiring immediate interventions to streamline regulatory ecosystem

Parallel processing of steps to minimize delay

Deemed approval (Time bound) and **Automatic approval (immediate)** for specific steps

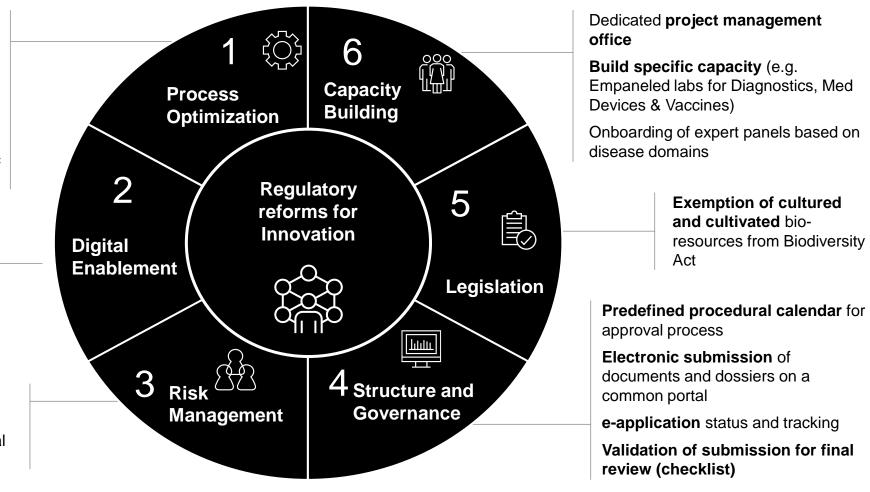
Pre-defined process checklists

Pre-submission discussions for specific queries

Single End to End digital portal for seamless data transfer and upload to sub portals across departments and automatic certificate generation post step completion

Risk based approach for regulatory efficiency

Risk mitigation approach through clinical and regulatory holds



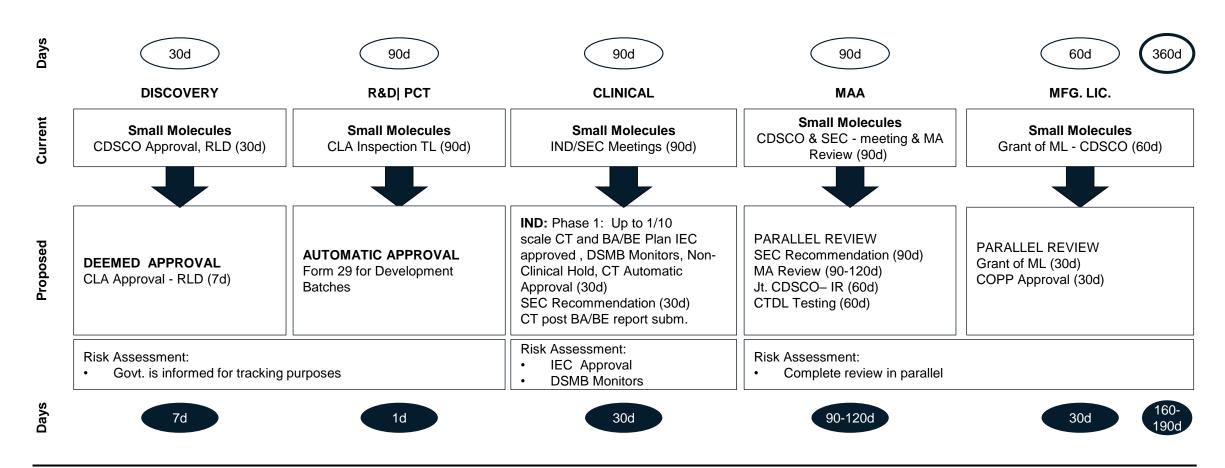
1,3: Process Optimization to reduce approval timelines

(NCE/Small Molecules, r-DNA products, Recombinant Vaccines, Non r-DNA vaccines, Products in Orphan drug/Rare disease, Products for additional indication, Products in Restricted Emergency Use Authorisation (EUA) Stem cell, Cell Therapy Regenerative Medicines, Medical Devices)

Initiative	Detailed Description	Examples	
Parallel processing	Initiate parallel processing of critical steps that are not dependent on each other to reduce the critical path	Parallel to RCGM, submit application in Form CT-04/CT-04A to DCGI to conduct CT	
	for approval timelines	Parallel to MAA, completion of Joint Inspection (if required) and submission of CTDL/NIB Testing report to CDSCO, HQ	
	Reduction of overlapping approvals	For granting approval for initiation of research of biologics – Approval by IBSC and notification to RCGM	
	Allow commercial manufacturing while application is under review	Allow commercial manufacturing of DS & DP under Form-29 license while drug is undergoing regulatory approval & permit marketing of these batches once manufacturing permission is received	
Deemed approval (Time	Deemed approval of steps post completion of pre- defined timelines. i.e certain steps to be made deemed approval unless regulatory body finds an issue with the submission within stipulated time limit	CLA approval for RLD in 7 days	
bound) and Automatic		Clinical trial initiation by CDSCO in 30 days	
approval (immediate) for		RCGM clearance in 30 days	
specific steps	Automated(immediate approval) for specific steps using risk based approach	Product already approved by Global regulator such as USFDA, EMA, PMDA, HC and TGA should be approved in India via automatic route	
		Approval for import of cell lines and micro-organism strains for R&D work should be by automatic approval	
		Phase IV studies (PMS studies/ RWEs/ Registry studies) conducted in approved labelled conditions (indication, dosage, dosage form and route of administration) should be allowed with an automatic approval from DCGI	
Pre-defined Checklists and Pre-submission	Create detailed checklists for each submission step with digital capability to check completeness at the	Separate checklist should be prepared for application for Phase I CT, Phase III CT and BA-BE studies (wherein extensive documents should not be required)	
discussions	time of submission	Separate checklist for Phase I DS & DP should allow manufacturing under GMP-like conditions	

Risk based approach for abbreviated regulations (e.g. Govt. is informed for tracking purposes during Discovery and R&D PCT stage)

Regulatory Pathway for NCE/Small Molecules: LAB TO LABEL



Efficiencies achieved through carrying out activities on-line, time bound deemed/automatic approvals and in Parallel reviews and inspections without any Compromises

Proposed Regulatory Pathway for NCE/Small Molecules: LAB TO LABEL

Parallel work

Timelines-160 - 190 Days (Lab to Label)

1. Discovery 7 Days



RLD import license in Form CT-17 from CDSCO Zonal / sub zonal office

7 days/Deemed Approval

2. R&D - PCT 1 Day



Grant of TL under Form 29 to mfg. developmental batches Automatic Approval

No CT-11 requirement (at Development & CT/consistency batches stages)

NCE: PCT will be conducted on both small and large animals based on IAEC approval, no other approval required. For large animals, CPCSEA and Dept. of Agriculture to be notified

3. CT and/or BA/BE 30 Davs



Submit application in Form CT-04/CT-04A/CT-05 to DCGI to conduct CT and/ or BA/BE

IND / SEC meeting and recommendation (for 1st Applicant in India)

Form CT-06/ CT-04A/CT-07 from CDSCO to conduct CT or BA/BE- 30 days, if not received within 30 days shall be deemed approval

Permission to start CT post submission of BA/BE report

Minor CT or BA/BE PAC -Protocol Amendments approved by DSMB/IEC and notification to CDSCO, HQ

4. MAA 90-120 Days



Application in Form CT-21 to CDSCO, HQ with CT and/or BA/BE report & CTD module for MAA

IND / SEC meeting and recommendation (for 1st Applicant in India)

Parallel to MAA. EIR & CDTL Testing report to CDSCO, HQ - 60 davs

Manufacturing Permission in Form CT-23 (DP)/CT-22 (DS) & Packaging (Label/Carton/PI)

Approval 90-120 days based on complexity and novelty.

5. Mfg License 30 Days



Application in 24/27 for grant of mfg. license in Form 25/28

Grant of Form 25/28 30days

Application for COPP/WHO **GMP** Certificate

with PV/ consistency batches manufactured before MA Approval

COPP/WHO GMP Certificate Approval for Export registration 30days

2: Digital Enablement: Single End to End digital portal for seamless data transfer and upload

Initiative	Detailed Description		
Single end to end	Creation of a single end to end digital portal used by different departments to be hosted by CDSCO		
digital portal	Interconnected portal with automated transfer of data across departments and sub-departments (e.g. all data pertaining to RCGM would flow there, and automatic/deemed approval would be generated)		
	Leverage virtual platform for all sponsor meetings		
Online Submission of all applications	All submissions to be made online with pre-defined checklists (e.g. Shift of post approval changes applications to CDSO online portal SUGAM with defined timeline from current manual		
	Enable upload of all documents on integrated portal (Some of the documents in particular sections cannot be uploaded. In SUGAM e.g. BE protocol - CRO center approval, Ethics Committee approval, No death declaration certificate		
	In case of CTs, streamline reporting of SAEs by adopting uniform template and leveraging online platform		
Online tracking of application status	Live tracking of status of application with current stage and timelines to be visible online through password protected access		
••	Detailed scientific reason to be provided for additional requirement through the online portal with timeline commitment		
Automated	Requisite certificates post completion of different stages to be generated on online portal at every step		
Certificate generation	Summary of approval with inputs from SEC, DSMB to be published publicly		
Address SUGAM related issues	Dedicated technical team for SUGAM , to solve the issues on priority and timelines to be fixed for resolving the issue related to SUGAM		

4: Structure and Governance: Setup governance mechanism to increase transparency

Initiative	Detailed Description Establish clear timelines for each stage of process (e.g., responding to queries or protocol amendments) and ensure performance management on the agreed timelines to ensure no slippages		
Pre-defined procedural calendar for each approval step			
Enhanced	Creating visibility on review status through the approval steps on online portal		
Predictability and collaboration	Actively engage with industry to collect feedback as FDA does through its quarterly meetings with the industry groups		
	Appoint a single point of contact or project manager (similar to EMA's rapporteur)		
	Confidentiality of Sponsor and sponsor's data to be ensured with access codes and password protection		
Performance	Identification of key metrics; tracking and quarterly publishing of performance on them		
management	IND and SEC calendar to be published on website, while ensuring adequate meeting frequency to meet approvatimelines		

5: Legislation: Exemption of cultured and cultivated bio-resources from Biodiversity Act and Empowering Institutional bodies for approving pre-clinical protocols

Initiative	Detailed Description		
Exemption of cultured and cultivated bio-resources from Biodiversity Act	Products that are cultured and cultivated artificially under controlled conditions are essentially not impacting natural resources and effectively biodiversity of the country and hence should exempted from The Biological Diversity Act		
Empower Institutional bodies for approving	Institutional Animal Ethics Committee (IAEC) to be on par with Institutional Bio- Safety Committee (IBSC) to permit regulatory approvals for pre-clinical activities		
pre-clinical protocols	RCGM and CPCSEA both have nominees on IBSC and IAEC, so as to have the representation of CLAs to fulfil statutory requirement		
	Thereby, for all pre-clinical studies, approval to be received from Institutional body (IAEC/IBSC) with notification to CPCSEA/RCGM		
	IAEC should have authority to approve toxicity studies in large animals with notification to CPCSEA and Department of Agriculture		
Reduce Repeated joint inspection for products	In case of Vaccines and Biologics for a particular class of product, joint inspection by CDSCO and State FDA and should be conducted only once, as parallel activity for marketing authorization		
within same facility	Such activity should not be repeated for a new product within same class of drug manufactured within same facility, which has already been inspected before		

5: Legislation: Facilitation of contract and clinical research, and Simplification of import and marketing of products

Initiative	Detailed Description
Facilitate contract and clinical research	Develop/ revamp process for Phase I CT for drugs developed outside India and for foreign funded trials Define guidelines for CT insurance based on industry best practices
	Permit automatic approval for coded molecules in early discovery stage, at a point where these are not recognized as drugs
	Permit automatic approval for import of animal tissue and other biological samples for conduct of in-vivo and in-vitro studies
Simplification of import and marketing permission	Current three-tier process for import and marketing permission can be made into a single tier process (one application and one approval) while bringing down the time from ~310 days to ~130 days
Exemption of animal toxicity and testing	In case of drugs approved in ICH countries and where complete data is available in public domain (FoI Act, Summary basis for approval), if the Sponsor's data meets Innovator specifications, then 4-week toxicology studies should be exempted

6: Capacity: Enhanced capacity of regulator to improve efficiency and reduce timelines

Initiative	Detailed Description Set up project management roles in the regulatory body to act as single-point-window for industry (for NCEs and NBEs)		
Project Management team			
Empanelment of	Build specific capacity through Empanelment of Labs for Diagnostics and Med Devices		
Labs	Class A & B Medical devices and may be certified by accredited labs notified by NABCB (both private & public) for approval by CDSCO		
Capacity building	Dedicated capacity building program (e.g. Center for regulatory excellence at NIPER's)		
collaboration and programs	Improve level of collaboration with international agencies to enhance experience/ exposure of Indian regulators on new drug approval		
	Build panel of internal experts who can evaluate and approve applications which may not require an SEC opinion. The panel can have a mix of clinical and pre-clinical expertise		

Outcomes to be targeted through pre-defined metrics

Product/ Permission type	Target duration of Approval in India (in days)	Percentage of approvals within time limits
NCEs/ Small Molecules	160-190	>90%
r-DNA products	160-190	>90%
r-DNA Vaccines	160-190	>90%
Non r-DNA Vaccines	160-190	>90%
r-DNA/NCE/Small molecules in Orphan/ Rare diseases	r-DNA: 110-140 NCE/Small molecules: 100-130	>90%
Additional indication of r-DNA/NCE/Small molecules	After Innovator : 7 Before Innovator :45	>90%
r-DNA/NCE/Small molecules in Restricted Emergency Use Authorisation (EUA)	r-DNA: 80-110 NCE/Small molecules : 70-120	>90%
Stem Cell, Cell Therapies Regenerative Medicines	160-190	>90%

CONCLUSION

If Indian R&D is to be globally competitive, we need to have a regulatory process that is simple, seamless, digital and above all, robust and in line with international practices

There is need for a centralised and harmonised regulatory platform that delivers uniform processes across states.

There is a need for enabling regulations for the rapid development of drugs, vaccines and medical devices driven by robust, reliable scientific and clinical processes that deliver safe, efficacious and high quality products.

Product already approved by Global regulator such as USFDA, EMA, PMDA, HC and TGA should be approved in India via automatic route

Drug regulations must leverage the benefits of digital platforms and technologies that enable a virtual single window, parallel processing and transparency through tracking and tracing as well as confidentiality

All submissions will be password protected for confidentiality

All Post Approval Changes that cover manufacturing, facility expansion, label extension and label changes must follow an expedited pathway.

Testing capacity needs to be expanded to accredited/ government labs

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Snapshot of the process and timelines of regulatory approvals process in India

Product type	Duration of Approval in India	Duration of Approval in Regulated Markets	
Recombinant Vaccines	29-53 months	24-36 months	Global agencies are working towards getting vaccines
Non-recombinant Vaccines	21-35 months	24-36 months	approved in 12-24 months
NCEs	33-63 months	12-18 months	
NBEs	50-85 months	12-24 months	
Biosimilars	34-75 months	12-24 months	

Source: Data from various Pharmaceutical companies

Global Examples: Best practices from leading countries in **Innovation**









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Detailed description



Processes

Duration of approval 30-50% less than India (Details on previous page) driven by

- Well-defined timelines for process e.g., EMA takes 210 active days
- Parallel processing of approval steps not linked with each other
- Single body/portal for submission with automatic sharing and upload of data into sub-portals (e.g. USFDA)

Regulators should provide clear timelines and clear target action dates



Guidelines

600+ (in FDA) detailed guidelines and pre-submission checklists across several key areas (e.g., guidance on clinical study design);



Predictability

Detailed report shared publicly and with applicant post approval/hold of a submission by USFDA

Sponsor should be able to track the application in a predictable manner

USFDA has a defined process to engage with Sponsors at every step for clarification in collaborative manner



Regulatory Capacity

Leading regulatory bodies such as USFDA and Food & Nutrition Services of the Israel Ministry of Health have dedicated project managers to act as single point of contact for industry

USFDA/EMA has therapeutic area wise in-house evaluation offices within FDA to build subject matter expertise



Governance

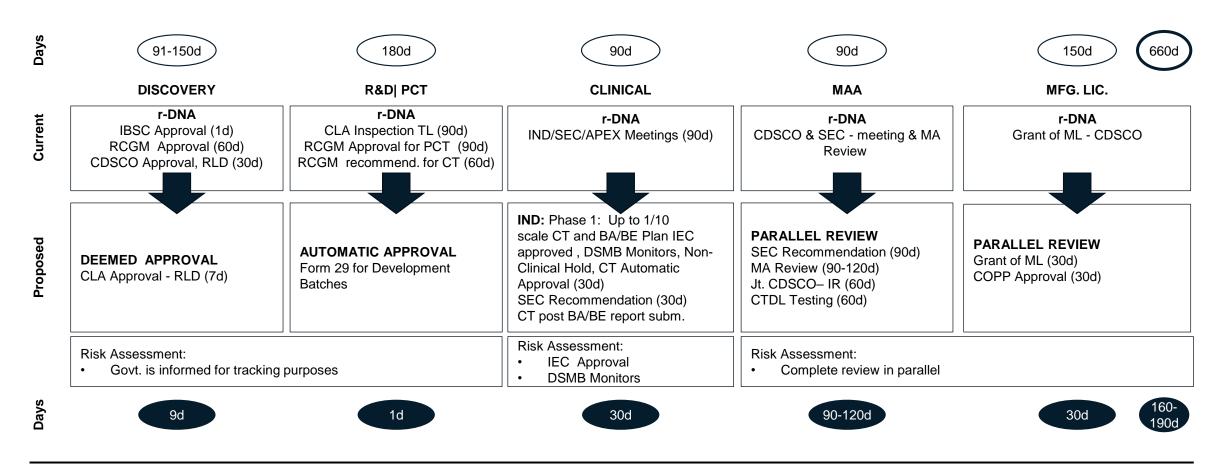
Commit and adhere to defined timelines for review and response to provide a recourse (e.g. automatic approval) in case of no/delayed response

Metrics for performance management defined (e.g., EMA provides procedural calendar)

Appendix: Other Pathways

Process deep dive: r-DNA Products

Regulatory Pathway for r-DNA products: LAB TO LABEL



Efficiencies achieved through carrying out activities on-line, time bound deemed/automatic approvals and in Parallel reviews and inspections without any Compromises

Proposed Regulatory Pathway for r-DNA products: LAB TO LABEL

Parallel work

Timelines-160 - 190 Days (Lab to Label)

Discovery Days



IBSC approval to import/ export /transfer/receive cell lines without quantity limit –

1 day RCGM approval not required for any quantity

RLD import license in Form CT-17 from CDSCO Zonal / sub zonal office

7 days/Deemed Approval

IBSC recommendation for R&D initiation & notification to RCGM-Form C1

1 day /Automatic Approval

RCGM acknowledge in Form C-2 to initiate R&D activities(Automatic Approval)

2. R&D - PCT7 Days



Based on IBSC recommendation, Grant of TL under Form 29 to mfg. developmental batches Automatic Approval– 1 day

No CT-11 requirement (at Development & CT/consistency batches stages)

Based on IBSC recommendation, PCT application in Form-C3 to RCGM as notification; approval not required

Submission of PCT report to RCGM for CT recommendation in Form C6 - **30 days**

RCGM parallel review of PCT report and send recommendation / query to CDSCO,HQ, CC to applicant

3. CT and/or BA/BE 30 Days



Parallel to RCGM, submit application in Form CT-04/CT-04A to DCGI to conduct CT

IND / SEC meeting and recommendation

Form CT-06/ CT-04A from CDSCO to conduct CT (Phase I, II & III) - **30 days**, if not received within 30 days shall be deemed approval (as opposed to 90 days in New Drug CT Rule 2019)

Minor CT Protocol
Amendments to be approved
by DSMB and notification to
CDSCO, HQ . Currently, all
protocol amendments require
CDSCO & SEC approval

4. MAA 90-120 Days



Application in Form CT-21 to CDSCO, HQ with CT report & CTD module for MAA

IND / SEC meeting and recommendation

Parallel to MAA, EIR & NIB / CDTL Testing report to CDSCO, HQ - **60 days**

Manufacturing Permission in Form CT-23 (DP)/CT-22 (DS) &

Packaging (Label/Carton

/ PI) Approval 90-120 days based on novelty and complexity

5. Mfg License30 Days



Application in 27D for grant of mfg. license in Form 28D

Grant of Form-28D

30days

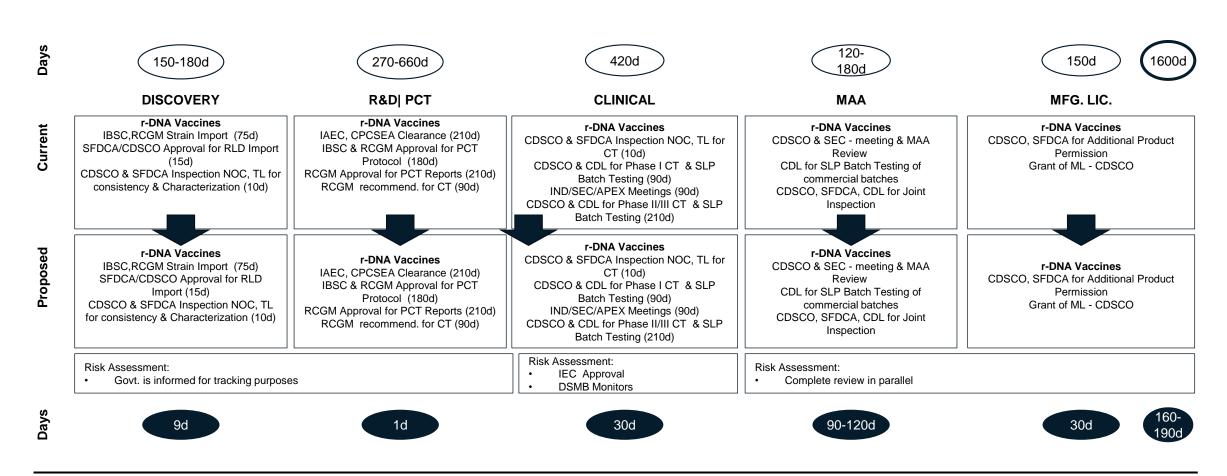
Application for COPP/WHO GMP Certificate

with PV/ consistency batches manufactured before MA Approval

COPP/WHO GMP Certificate Approval for Export registration **30days**

Process deep dive: r-DNA Vaccines

Regulatory Pathway for r-DNA Vaccines: LAB TO LABEL



Efficiencies achieved through carrying out activities on-line, time bound deemed/automatic approvals and in Parallel reviews and inspections without any Compromises

Proposed Regulatory Pathway for r-DNA Vaccines: LAB TO LABEL

Parallel work

Timelines-160-190 Days (Lab to Label)

1. Discovery 9 Days



IBSC approval to import/ export /transfer/receive_cell lines without quantity limit -

1 day RCGM approval not required for any quantity

RLD import license in Form CT-17 from CDSCO Zonal / sub zonal office

7 days/Deemed Approval

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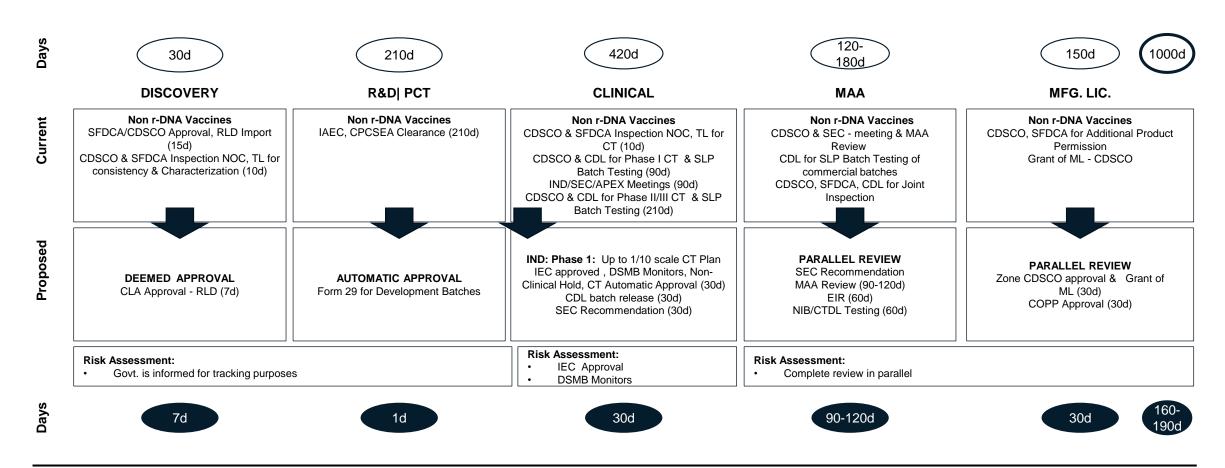
Application for COPP/WHO **GMP** Certificate

with PV/ consistency batches manufactured before MA Approval

COPP/WHO GMP Certificate Approval for Export registration 30days

Process deep dive: Non r-DNA Vaccines

Regulatory Pathway for Non r-DNA, Vaccines: LAB TO LABEL



Efficiencies achieved through carrying out activities on-line, time bound deemed/automatic approvals and in Parallel reviews and inspections without any Compromises

Proposed Regulatory Pathway for Non r-DNA, Vaccines: LAB TO LABEL

Parallel work

Timelines-160-190 Days (Lab to Label)

1. Discovery 9 Days



RLD import license in Form CT-17 from CDSCO Zonal / sub zonal office

7 days/Deemed Approval

2. R&D - PCT 7 Days



Grant of TL under Form 29 to mfg. developmental batches -Automatic Approval No CT-11 requirement (at Development & CT/consistency batches stages)

NCE: PCT will be conducted on both small and large animals based on IAEC approval, no other approval required For large animals, CPCSEA to be notified & no Dept. of Agriculture permission required

3. CT and/or BA/BE 30 Days



IND / SEC meeting and recommendation

Form CT-06/ CT-04A from CDSCO to conduct CT (Phase I, II & III) - 30 days, if not received within 30 days shall be deemed / automatic approval (as opposed to 90 days in New Drug CT Rule 2019)

Minor CT PAC - Protocol Amendments approved by DSMB/IEC and notification to CDSCO. HQ CDL Batch release 30d Currently, all protocol amendments require CDSCO & SEC approval

4. MAA 90-120 Days



Application in Form CT-21 to CDSCO, HQ with CT report & CTD module for MAA

IND / SEC meeting and recommendation

Parallel to MAA, EIR & NIB / CDTL Testing report to CDSCO, HQ - 60 days

Manufacturing Permission in Form CT-23 (DP)/CT-22 (DS)

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Grant of Form-28D

30days

Application for COPP/WHO **GMP** Certificate

with PV/ consistency batches manufactured before MA Approval

COPP/WHO GMP Certificate Approval for Export registration 30days

Process deep dive: r-DNA/NCE/SM products in Orphan drug/ Rare disease

Proposed Regulatory Pathway for r-DNA/NCE/SM products in Orphan drug/ Rare disease

Parallel work

Timelines (r-DNA)-110-140D (NCE/SM) -100-130D (Lab to Label)

Discovery Days



IBSC approval to import/ export /transfer/receive cell lines without quantity limit –

1 day RCGM approval not required for any quantity

RLD import license in Form CT-17 from CDSCO Zonal / sub zonal office

7 days/Deemed Approval

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CDSCO & SEC approval

4. MAA 90-120 Days



Application in Form CT-21 to CDSCO, HQ with CT report & CTD module

for MAA

CTD will be reviewed by SEC and recommend to CLA for MAA

45-90 Days based on novelty & complexity

Parallel to MAA, EIR & NIB / CDTL Testing report to CDSCO, HQ - **60 days**

Grant of Manufacturing Permission in Form CT-23 (DP)/CT-22 (DS) &

Packaging (Label/Carton / PI) Approval

5. Mfg License30 Days



Application in 27D for grant of mfg. license in Form 28D

Grant of Form-28D **30days**

Grant ofForm-25 (SM) - 30days

Provision for Batches manufactured under Form 29 Test or Trials may be used for commercial purposes on Approval

Process deep dive: Additional indication r-DNA/NCE/ Small molecules

Proposed Regulatory Pathway for additional indication r-DNA/NCE/Small molecules:



Application to be submitted under PAC:

 Approval of new indication from any NRA of innovator products will get automatic approval from CLA.

Label Extension with additional indication & Packaging (Label/Carton / PI) Approval **7 days**

Label Extension / additional indication Biosimilars/r-DNA/NCE/SM

Before innovator / novel r-DNA / BS/NCE/SM

Submit application in Form CT-04/CT-04A to DCGI to conduct CT for new indication (not approved elsewhere)

Form CT-06/ CT-04A from CDSCO to conduct CT - **30** days, if not received within 30 days shall be deemed / automatic approval

Application under PAC with CSR, RMP, PI, Published literature

IND / SEC meeting and recommendation 10 d

MA Approval with additional indication & Packaging (Label/Carton / PI) Approval **5 days**

7 d

45 d

Process deep dive: r-DNA/NCE/SM products in Restricted Emergency Use Authorisation (EUA)

Proposed Regulatory Pathway for NEW DRUG r-DNA/NCE/SM products in Restricted Emergency Use Authorisation (EUA)

Parallel work

Timelines (r-DNA) 80-110D (NCE/SM)-70-120 D (Lab to Label)

Discovery Days



IBSC approval to import/ export /transfer/receive cell lines without quantity limit –

1 day RCGM approval not required for any quantity

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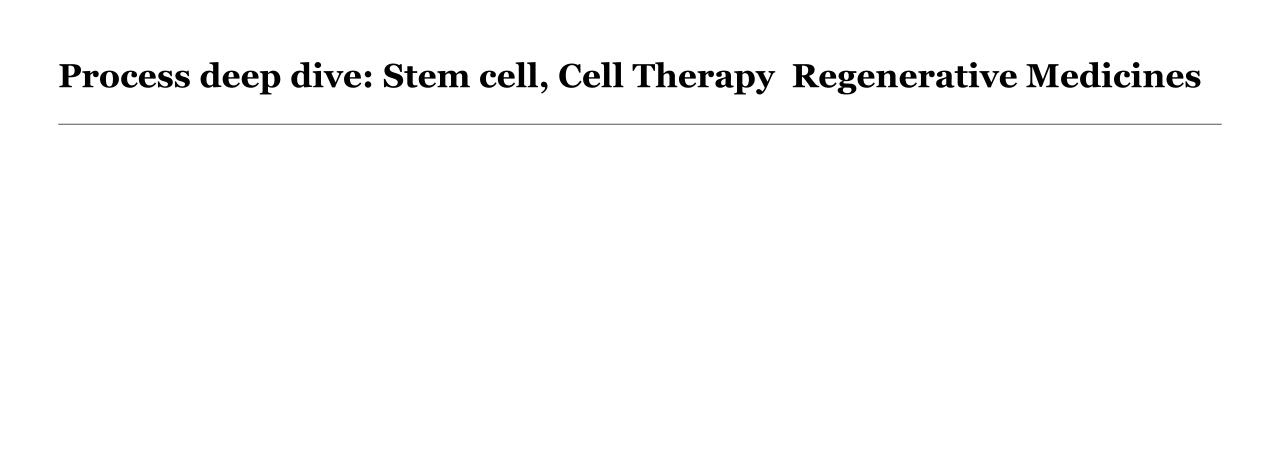


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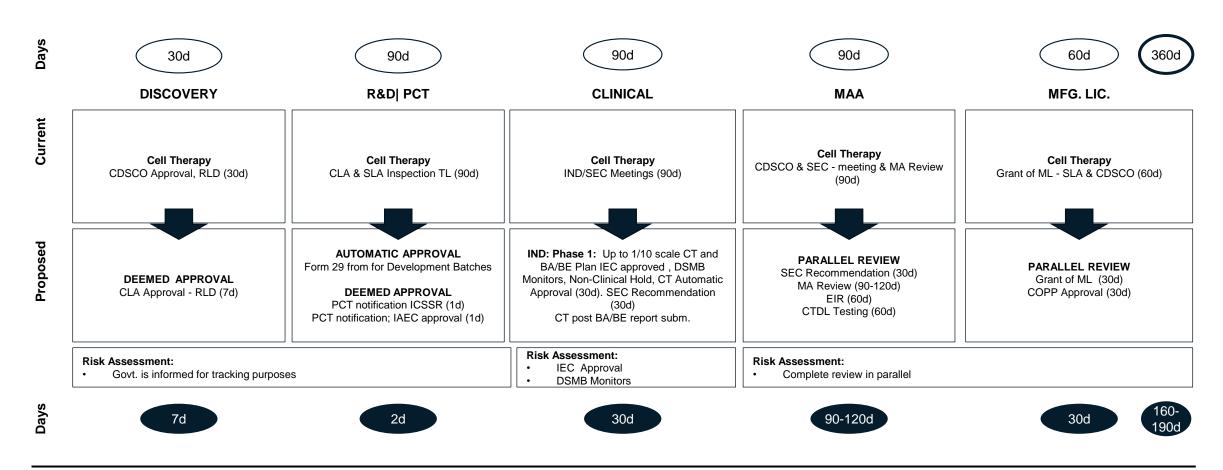
Grant of Form-28D **30days**

Grant ofForm-25 (SM) - 30days

Provision for Batches manufactured under Form 29 Test or Trials may be used for commercial purposes on Approval



Cell therapies; regenerative medicies



Efficiencies achieved through carrying out activities on-line, time bound deemed/automatic approvals and in Parallel reviews and inspections without any Compromises

Proposed Regulatory Pathway for Stem Cell, Cell Therapy Regenerative Medicines: LAB TO LABEL

Timelines-160-190 Days (Lab to Label)

Discovery
 Days



RLD import license in Form CT-17 from CDSCO Zonal / sub zonal office

7 days/Deemed Approval

2. R&D - PCT 2 Days



Based on IBSC /equivalent committee, Grant of TL under Form 29 for mfg. developmental batches – Automatic Approval – 1day No CT-11 requirement

Submission of PCT application as Notification to Institutional Committee For Stem Cell Research (ICSCR) through online – 1day

PCT will be conducted on both small and large animals as per NDCT 2019 based on IAEC approval, no other approval required. For large animals, CPCSEA to be notified & no Dept. of Agriculture permission required

Comments 2

1 days/Deemed Approval

In Parallel

3. CT and/or BA/BE 30 Days



CBBTDEC meeting and recommendation

Form CT-06/ CT-04A from CDSCO to conduct CT (Phase I, II & III) - 30 days, if not received within 30 days shall be deemed / automatic approval

(as opposed to 90 days in New Drug CT Rule 2019)

Any CT PAC - Protocol Amendments approved by DSMB/IEC and notification to CDSCO, HQ

NCL Batch release 30d Currently, all protocol amendments require CDSCO & SEC approval 4. MAA 90-120 Days



Application in Form CT-21 to CDSCO, HQ with CT report & CTD module for MAA

Parallel to MAA, EIR & NIB / CDTL Testing report to CDSCO, HQ - **60 days**

Manufacturing Permission in Form CT-23 (DP)/CT-22 (DS) &

Packaging (Label/Carton

/ PI) Approval **90-120 days** based on novelty and complexity

5. Mfg License30 Days



Parallel work

Application in 27D for grant of mfg. license in Form 28D

Grant of Form-28D

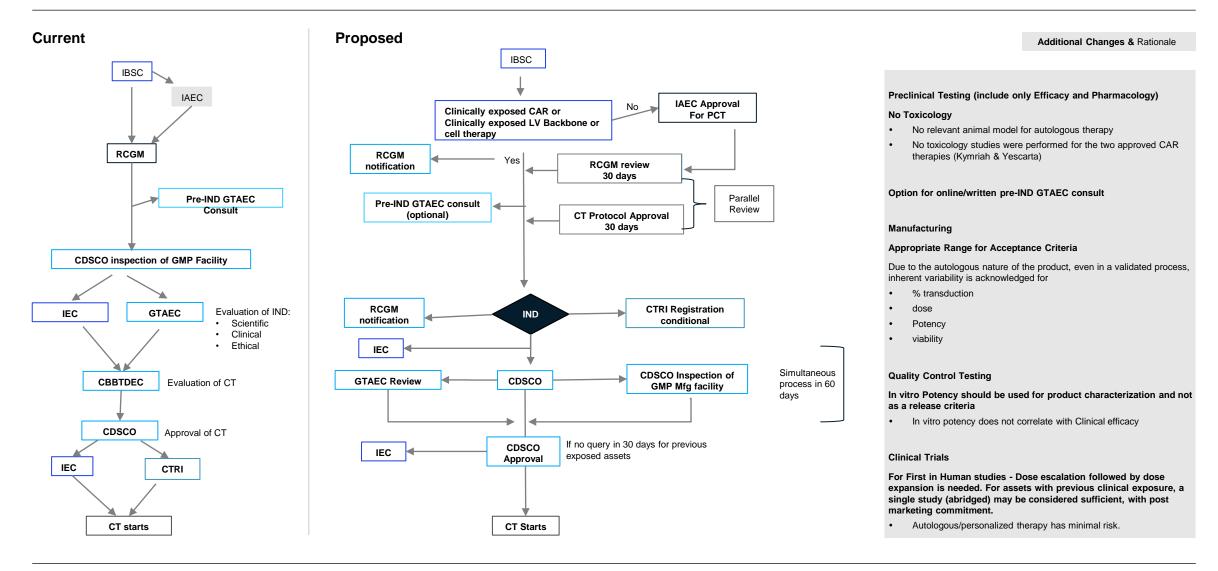
30days

Application for COPP/WHO GMP Certificate

with PV/ consistency batches manufactured before MA Approval

COPP/WHO GMP Certificate Approval for Export registration **30days**

Regulatory path for autologous car t therapy, cell therapy / regenerative medicine



Process deep dive: Medical Devices

Medical devices - staging & time pathway: recommended regulations

Class of Medical Devices & Diagnostics	Current	Proposed	Proposed timeline from the application date
Class-A	Self-declaration	Self-declaration	15 days
Class-B	CDSCO	Third party notified bodies by NABCB & CDSCO	30 days
Class-C*	CDSCO	CDSCO	60 days
Class-D	CDSCO	CDSCO	60 days

Category C:

Includes Implants and critical medical devices which need to be evaluated and approved by CDSCO

Class B&C account for 80% of Medical Device Sector with > 40,000 devices.

Class A & B may be certified by accredited labs notified by NABCB (both private & public) for approval by CDSCO.

Key factors for Medical Technology for Governance

Empanelment of labs

Phasing by Product segments with prior intimation.

Category A&B should be regulated through notified testing centers.