

# **COVID -19 VACCINE INITIATIVES IN INDIA**

( updates shared from Dept of Microbiology SRM DENTAL COLLEGE, Ramapuram)

**Candidates – 8 its trial stage, efficacy under consideration.**

CANDIDATE	
ZyCovi- Di (Zydus cadilla, Ahmedabad)	<p><b>Study design:</b> Pegylated Interferon alpha-2b, ZyCoV-D is a plasmid DNA vaccine candidate. When delivered into the host cells, the plasmid DNA is known to translate into the viral protein and trigger a strong cellular and humoral immune response.</p> <p><b>Status :</b> Phase III trial, same candidate in Mexico in Phase II trial.</p>
Biological E (Hydrabad)in collaboration with MIT	<p><b>Study Design :</b> used as Recombinant Protein Ag.</p> <p><b>Status :</b> Phase II&amp; III. started</p>
HGCO-19 Genova biotech –pune based with HDT biotech seattle USA	<p><b>Study Design :</b> 1<sup>st</sup> mRNA Vaccine. In INDIA</p> <p><b>Status :</b> phase I &amp;II to start</p>
Nasal Vaccine – Bharat Biotech	<p><b>Study Design :</b> Indian firm Bharat Biotech will be commencing Phase I trials of its intranasal Covid-19 vaccine</p> <p><b>Status :</b> phase I trial.</p>
Sputnik V- Dr .Reddy;s lab & Gamelaya lab –Russia	<p><b>Study Design :</b> India To Make 300 Million Of Sputnik V Covid Vaccines. 4 large manufacturers ( Hetero Biopharma )has already announced a deal with the RDIF to make more than 100 million doses of Sputnik V, whose efficacy has been found to be more than 91% in trials done outside India.</p> <p><b>In India phase III trial .</b></p>
NVX-CoV 2373 - Novavax's	<p><b>Study Design :</b> Nanoparticle vaccine , M atrix M Adjuvan</p> <p>American company NOVAX with serum institute – Pune 2<sup>nd</sup> vaccine by serum institute</p> <p><b>Status –</b> phase III trial</p>
Covaxin – Bharat Biotech ICMR - NIV	<p><b>Study Design:</b>indigenous, inactivated vaccine. The vaccine received DCGI approval for Phase I &amp; II Human Clinical Trials.</p> <p>Bharat Biotech received DCGI approval for Phase 3 clinical trials in 26,000 participants in over 25 centres across India.</p>
Bharat Biotech- Thomson & Jefferson university	<p><b>Inactivated Rabies Vector</b> Preclinical phase</p>

