GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated:19/02/2021

ORDER

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules ,1978 , for the implementation of the project entitled: **"Virtual and in vitro screening of spiropyrrolidine derivatives and Diverset core library small molecules to identify SARS-CoV-2 entry, fusion and protease inhibitors: An anti-COVID-19 drug discovery and development program"** for a period of 3 Year 0 Month at a total cost of Rs. **7024720** (Rupees Seventy Lakhs Twenty Four Thousand Seven Hundred and Twenty Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title :

"**Virtual and in vitro screening of spiropyrrolidine derivatives and Diverset core library small molecules to identify SARS-CoV-2 entry, fusion and protease inhibitors: An anti-COVID-19 drug discovery and development program**"

2.2 Details of the Investigatiors:

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2.3 Objectives:

1. Virtual screening of small molecules from an in-house made spiropyrrolidine derivatives and from ChembridgeTM's Diverset Core Library against SARS CoV-2's s receptor binding domain RBD of spike protein, 6 helix bundle (6-HB) core of spike protein and main proteases 3CLPro , and against human's protease receptors Angiotensin Converting Enzyme 2 (ACE2) and transmembrane serine proteases 2 (TMPRSS2), followed by molecular modelling and dynamics to select the putative leads form developed library.