

6.4.2 and 3.2.1/3.2.2, 3.1.3

No. BT/PR39972/BRB/10/1895/2020  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

Annexure-Ib.

Block 2, 6-8th Floors  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Dated: 02.03.2022

**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 "PHLPP/S6K1 dynamics- a potential mechanism of insulin resistance" for a period of 3 Year 0 Month at a total cost of Rs. 7744000 (Rupees Seventy Seven Lakhs Fourty Four Thousand Only) on the terms and conditions detailed here under:-

**2 The Project:**

**2.1. Title: PHLPP/S6K1 dynamics- a potential mechanism of insulin resistance**

**2.2. Details of the Investigators:**

**Prof. Khurshid Iqbal Andrabi**

Professor

Department of Biotechnology,

New Science Block, Ground Floor, University Campus Hazratbal, Srinagar- 190006, Jammu And Kashmir.

**CO-PI:**

**Dr. Shaida Andrabi**

Assistant Professor

Department of Biochemistry, University of Kashmir, Hazratbal, Srinagar - 190006, Jammu and Kashmir.

**2.3 Objectives:**

1. To evaluate PHLPP binding with S6K1 for its relation with loss of activating phosphorylation. a) PHLPP binding with WT-S6K1; b) PHLPP binding status with constitutive/insulin resistant variant of S6K1
2. To evaluate PHLPP binding dynamics with its phosphorylation state for crosstalk with mTORC2, GSK3 or Akt pathways;
3. To ascertain PHLPP binding characteristics by point mutagenesis of the potential PHLPP binding region in S6K1.
4. To evaluate the role of PHLPP in regulating the Hydrophobic Motif phosphorylation of S6K1
5. Co-localization of S6K1 and PHLPP under nutrient deprived/nutrient rich states

**2.4 Time Schedule:**

The duration of the project is 3 Year 0 Month from the date of this sanction order.

**2.5 Project Cost:**

The total cost of the project is Rs. 7744000/- (Rupees Seventy Seven Lakhs Fourty Four Thousand Only) as per details given below:

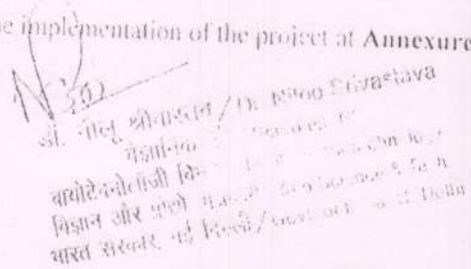
Budget Head	Year I	Year II	Year III	Total
Equipment	3500000.00	0.00	0.00	3500000.00
Manpower	348000.00	348000.00	348000.00	1044000.00
Overhead	50000.00	50000.00	50000.00	150000.00
Travel	0.00	50000.00	50000.00	100000.00
Consumables	1500000.00	700000.00	600000.00	2800000.00
Contingency	50000.00	50000.00	50000.00	150000.00
Total (Rs.)	5448000.00	1198000.00	1098000.00	7744000.00

**2.6 Equipment**

The details of the equipment sanctioned for the implementation of the project at Annexure-I

**2.7 Manpower:**

The details of the manpower sanctioned for the implementation of the project at Annexure-II

  
Dr. Khurshid Iqbal Andrabi  
Secretary  
Department of Biotechnology  
Ministry of Science & Technology  
Government of India