

BT/TDS/121/SP20276/2016
Government of India
Ministry of Science & Technology
Department of Biotechnology

Block 2, 6-8 Floors,
CGO Complex, Lodi Road,
New Delhi-110003

Dated: 04.06.2018

ORDER

In continuation of this Department's sanction order of even number dated 04.06.2018, sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the release of a sum of **₹ 143.61 lakhs (Rupees One hundred Forty Three lakhs Sixty One thousand only)** jointly at University of Delhi South Campus (UDSC), New Delhi (₹ 49.29 lakhs), Jawaharlal Nehru University (JNU), New Delhi (₹ 25.12 lakhs), RV College of Engineering (RVCE), Bangalore (₹ 6.50 lakhs), University of Agricultural Sciences (UAS), Bangalore (₹ 46.06 lakhs) and CSIR-National Chemical Laboratory (NCL), Pune (₹ 16.64 lakhs) being the first release under Recurring heads for implementation of the project entitled "Genetic Enhancement of Mulberry by Genomics Approaches: A multi-component Network Project" as per breakup given below:

S. No.	Item	Amount (₹ in lakh)													Grand Total
		UDSC			JNU	RVCE	UAS				NCL		Total		
		Sub-Pr. 1	Sub-Pr. 3(a)	Total	Sub-Pr. 1	Sub-Pr. 2(a)	Sub-Pr. 2(b)	Sub-Pr. 3(a)	Sub-Pr. 3(b)	Sub-Pr. 4(b)	Sub-Pr. 4(a)	Sub-Pr. 4(b)			
Recurring:															
1.	Manpower	7.42	4.37	11.79	5.62	5.70	3.90	6.17	5.62	4.37	20.06	6.24	0.00	6.24	49.41
2.	Consumables	25.00	8.00	33.00	17.00	0.00	6.00	10.00	2.00	2.00	20.00	6.00	2.00	8.00	78.00
3.	Travel	1.00	0.50	1.50	0.50	0.50	0.50	0.50	0.50	0.50	2.00	0.30	0.50	0.80	5.30
4.	Contingencies	1.00	0.50	1.50	1.00	0.30	0.50	0.50	0.50	0.50	2.00	0.30	0.50	0.80	5.60
5.	Overheads	1.00	0.50	1.50	1.00	0.00	0.50	0.50	0.50	0.50	2.00	0.30	0.50	0.80	5.30
Total:		35.42	13.87	49.29	25.12	6.50	11.40	17.67	9.12	7.87	46.06	13.14	3.50	16.64	143.61

2. The other terms and conditions governing the financial sanction will remain unaltered.
3. The amount of ₹ 143.61 lakhs (Rupees One hundred Forty Three lakhs Sixty One thousand only) shall be directly credited by PAO to the bank account of the following:

- a) An amount of ₹ 49.29 lakhs (Rupees Forty Nine lakhs Twenty Nine thousand only) shall be created to the bank account of **Director, UDSC, New Delhi** through RTGS as per the following details:

Name of the Bank: State Bank of India, UDSC Campus, New Delhi
Account No.: 10043546386
IFSC Code: SBIN008778
MICR Code: 110002175

- b) An amount of ₹ 25.12 lakhs (Rupees Twenty Five lakhs Twelve thousand only) shall be created to the bank account of **the Finance Officer, JNU, New Delhi** through RTGS as per the following details:

Name of the Bank: State Bank of India, JNU New Campus Branch, New Delhi
Account No.: 10596550879
IFSC Code: SBIN0010441
MICR Code: 110002428

M. Mohd. Ashraf

BT/TDS/121/SP20276/2016
Government of India
Ministry of Science & Technology
Department of Biotechnology

Block 2, 6-8 Floors,
CGO Complex, Lodi Road,
New Delhi-110003

Dated: 04.06.2018

Non-Recurring Grant

ORDER

In continuation of this Department's sanction order of even number dated 04.06.2018, sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the release of a sum of ₹ 76.56 lakhs (Rupees Seventy Six lakhs Fifty Six thousand only) jointly at University of Delhi South Campus (UDSC), New Delhi (₹ 19.08 lakhs [Sub-Project 1]), Jawaharlal Nehru University (JNU), New Delhi (₹ 40.48 lakhs [Sub-Project 1]), RV College of Engineering (RVCE), Bangalore (₹ 10.00 lakhs [Sub-Project 2(a)]) and University of Agricultural Sciences (UAS), Bangalore (₹ 7.00 lakhs [Sub-Project 2(b)]) being the first release under Nonrecurring head 'Equipment' for implementation of the project entitled "Genetic Enhancement of Mulberry by Genomics Approaches: A multi-component Network Project".

2. The other terms and conditions governing the financial sanction will remain unaltered.
3. The amount of ₹ 76.56 lakhs (Rupees Twenty Six lakhs Fifty Six thousand only) will be shall be directly credited by PAO to the bank account of the following:

- a) An amount of ₹ 19.08 lakhs (Rupees Nineteen lakhs Eight thousand only) shall be credited to the bank account of *the Director, UDSC, New Delhi* through RTGS as per the following details:

Name of the Bank: State Bank of India, UDSC Campus, New Delhi
Account No.: 10043546386
IFSC Code: SBIN008778
MICR Code: 110002175

- b) An amount of ₹ 40.48 lakhs (Rupees Forty lakhs Forty Eight thousand only) shall be credited to the bank account of *the Finance Officer, JNU, New Delhi* through RTGS as per the following details:

Name of the Bank: State Bank of India, JNU New Campus Branch, New Delhi
Account No.: 10596550879
IFSC Code: SBIN0010441
MICR Code: 110002428

- c) An amount of ₹ 10.00 lakhs (Rupees Ten lakhs only) shall be credited to the bank account of *the Principal, RVCE, Bangalore* through RTGS as per the following details:

Name of the Bank: Kotak Mahindra Bank, RVCE Branch, Bangalore
Account No.: 136010112055
IFSC Code: KKBK0008053
MICR Code: 560485068

- d) An amount of ₹ 7.00 lakhs (Rupees Seven lakhs only) shall be credited to the bank account of *the Comptroller, UAS, Bangalore* through RTGS as per the following details:

Mold. Adle

No. BT/PR12394/AGIII/103/891/2014
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 20.11.2015

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 "**Functional Characterization of Genetic and Epigenetic Regulatory Networks Involved in the Reproductive Development in Rice**" for a period of 5 Year 0 Month at a total cost of Rs. **98741600** (Rupees Nine Crores Eighty Seven Lakhs Fourty One Thousand Six Hundred Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : Functional Characterization of Genetic and Epigenetic Regulatory Networks Involved in the Reproductive Development in Rice

2.2 Details of the Investigators:

Project Coordinator

Prof. Akhilesh Kumar Tyagi

Director

NIPGR

National Institute of Plant Genome Research, Aruna Asaf Ali Marg, , Delhi,
110067

Principal Investigators:

Prof. Jitendra Paul Khurana

Professor and HOD

Plant Molecular Biology

Delhi University, South Campus

New Delhi-110 021

Prof. Sanjay Kapoor

Professor

Plant Molecular Biology

Delhi University, South Campus

Benito Juarez Road, Dhaula Kuan,

New Delhi-110 021



भारतीय कृषि अनुसंधान परिषद
Indian Council of Agricultural Research
राष्ट्रीय कृषि विज्ञान कोष
National Agricultural Science fund (NASF)
भारतीय कृषि अनुसंधान भवन-1 पूसा नई दिल्ली- 110012
Krishi Anusandhan Bhavan-I, Pusa New Delhi-110012

F. No. NASF/ABP-7014/2018-19

Dated: 09.03.2021

To,
The Vice Chancellor,
University of Delhi,
Delhi-110007

Subject: Revised Sanction letter in view of the additional budget under the recurring head for the Research project entitled for the project entitled, “**Identification of super donors and alleles for spikelet fertility and low chalkiness under thermal stress in rice**” under the National Agricultural Science Fund (NASF)

Ref: Sanction conveyed through F. No. NASF/ABP-7012/2018-19 dated 13.10.2020

Sir,

The In partial modification of our sanction letter dated 13.10.2020 for the award of the above-cited project, I am enclosing the revised sanction as *Annexure I-III* in view of sanction of additional allocation of budget of ₹ 3.07258 lakhs as fresh sanction to **Delhi University, South Campus New Delhi** approved by the Empowered committee in its 42nd meeting held on 4th March, 2021 for the payment of arrears to contractual staff under recurring head during the financial year 2020-21. **This additional budget should be strictly spent within this financial year and it will not be revalidated or fresh sanctioned in next financial year in any case.** The revised budget of the project is now **356.21226 lakh** instead of the original amount **353.13968 lakh**. All other terms and conditions as communicated earlier remains the same.

Yours faithfully,

(Sanjeev Saxena)
ADG (NASF)

Copy for information and necessary action to:

- (i) Dr. Anil Grover, Professor, Department of Plant Molecular Biology, University of Delhi South Campus-110021
- (ii) DDF, NASF Secretariat
- (iii) Office copy

Year-wise and head-wise breakup in budget

S.No.	Lead Centre: University of Delhi South Campus, New Delhi	2018-19 (August, 2018 to March, 2019)	2019-20 (April, 2019 to March, 2020)	2020-21 (April, 2020 to March, 2021)	2021-22 (April, 2021 to July, 2021)	Total
I. NON RECURRING COST						
1						
Civil Works						
	a. Renovation of labs/experimental facilities including laboratory furniture like analysis bench, fume hood etc.)	0.00000	0.00000	0.00000	0.00000	0.00000
	b. New structures for experimental facilities and for special housing for new equipment	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b)	0.00000	0.00000	0.00000	0.00000	0.00000
2.						
Goods & Equipment						
	a. Equipment, Plant & Machinery, Technology to be purchased	15.00000	0.00000	0.00000	0.00000	15.00000
	b. Animals:	0.00000	0.00000	0.00000	0.00000	0.00000
	c. Furniture & Fixtures	0.00000	0.00000	0.00000	0.00000	0.00000
	d. Computer hardware & software (costing more than Rs. 5000) related specifically to the project	3.00000	0.00000	0.00000	0.00000	3.00000
	e. Monographs, Manuals, databases (non-bibliographical) etc.	0.00000	0.00000	0.00000	0.00000	0.00000
	f. Miscellaneous	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b+c+d+e+f)	18.00000	0.00000	0.00000	0.00000	18.00000
3.						
Capacity Building						
	a. Attending Workshops/Seminars/ Exposure Visits					
	i. Abroad	0.00000	0.00000	0.00000	0.00000	0.00000
	ii. India	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub-Total (i+ii)	0.00000	0.00000	0.00000	0.00000	0.00000
	b. Organizing Training/workshop-cum-Training	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b)	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub Total (1+2+3)	18.00000	0.00000	0.00000	0.00000	18.00000

(₹ in lakh)

II. RECURRENING COSTS						
1. TA/DA	0.20000	0.35000	0.35000	0.10000	1.00000	
2. Review Workshop/Meetings	1.00000	1.00000	1.00000	0.00000	3.00000	
3. Contractual Staff	6.76000	13.21258	16.11938	4.41440	40.50636	
4. Operational Contingencies						
i. Laboratory purpose						
a. Chemicals, glassware, raw material, pots etc.	12.00000	18.00000	15.00000	0.00000	45.00000	
b. Unskilled/semi skilled labour	0.00000	0.00000	0.00000	0.00000	0.00000	
c. Outsourcing of lab work	0.00000	0.00000	0.00000	0.00000	0.00000	
d. Small maintenance & repairs of lab equipment	0.00000	0.00000	0.00000	0.00000	0.00000	
e. Computer stationery	0.00000	0.00000	0.00000	0.00000	0.00000	
ii. Field purpose						
a) Small field equipment (spade, khurpi etc.) pots, seed, etc.	0.00000	0.00000	0.00000	0.00000	0.00000	
b) Semiskilled/unskilled labour	0.90000	2.00000	2.05000	0.45000	5.40000	
c) Feed and Medicine	0.00000	0.00000	0.00000	0.00000	0.00000	
d) Small repairs of farm machinery	0.00000	0.00000	0.00000	0.00000	0.00000	
iii. Vehicle hiring for surveys, arranging & attending meetings etc.	0.06000	0.10000	0.10000	0.04000	0.30000	
iv. Miscellaneous urgent purchases	0.00000	0.00000	0.00000	0.00000	0.00000	
v. Small animals: rabbit, mice etc.	0.00000	0.00000	0.00000	0.00000	0.00000	
vi. Phone/ fax cost	0.00000	0.00000	0.00000	0.00000	0.00000	
Sub-Total (i+ii+iii+iv+v+vi)	12.96000	20.10000	17.15000	0.49000	50.70000	
Sub-Total (1+2+3+4)	20.92000	34.66258	34.61938	5.00440	95.20636	
III. Institutional Charges	2.09200	3.15900	2.89520	0.41260	8.55880	
TOTAL COST (I+II+III)	41.01200	37.82158	37.51458	5.41700	121.76516	

S.No.	Cooperating Centre: 1. IARI, New Delhi	2018-19 (August, 2018 to March, 2019)	2019-20 (April, 2019 to March,2020)	2020-21 (April, 2020 to March, 2021)	2021-22 (April, 2021 to July, 2021)	Total
1.	NON RECURRING COST					
1	Civil Works					
	a. Renovation of labs/experimental facilities including laboratory furniture like analysis bench, fume hood etc.)	0.00000	0.00000	0.00000	0.00000	0.00000
	b. New structures for experimental facilities and for special housing for new equipment	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b)	0.00000	0.00000	0.00000	0.00000	0.00000
2.	Goods & Equipment					
	a. Equipment, Plant & Machinery, Technology to be purchased	12.00000	0.00000	0.00000	0.00000	12.00000
	b. Animals: fish	0.00000	0.00000	0.00000	0.00000	0.00000
	c. Furniture & Fixtures	0.00000	0.00000	0.00000	0.00000	0.00000
	d. Computer hardware & software (costing more than Rs. 5000) related specifically to the project	0.00000	0.00000	0.00000	0.00000	0.00000
	e. Monographs, Manuals, databases (non-bibliographical) etc.	0.00000	0.00000	0.00000	0.00000	0.00000
	f. Miscellaneous	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b+c+d+e+f)	12.00000	0.00000	0.00000	0.00000	12.00000
3.	Capacity Building					
	a. Attending Workshops/Seminars/ Exposure Visits					
	i. <u>Abroad</u>	0.00000	0.00000	0.00000	0.00000	0.00000
	ii. <u>India</u>	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub-Total (i+ii)	0.00000	0.00000	0.00000	0.00000	0.00000
	b. Organizing Training/workshop-cum- Training	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b)	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub Total (1+2+3)	12.00000	0.00000	0.00000	0.00000	12.00000

II. RECURRENING COSTS						
1. TA/DA	0.13000	0.30000	0.25000	0.07000	0.75000	
2. Review Workshop/Meetings	0.00000	0.00000	0.00000	0.00000	0.00000	
3. Contractual Staff	2.60000	5.12016	5.00960	1.73600	14.46576	
4. Operational Contingencies						
i. Laboratory purpose						
a. Chemicals, glassware, raw material, pots etc.	4.00000	2.00000	2.00000	0.00000	8.00000	
b. Unskilled/semi skilled labour	0.00000	0.00000	0.00000	0.00000	0.00000	
c. Outsourcing of lab work	0.00000	0.00000	0.00000	0.00000	0.00000	
d. Small maintenance & repairs of lab equipment	0.00000	0.00000	0.00000	0.00000	0.00000	
e. Computer stationery	0.00000	0.00000	0.00000	0.00000	0.00000	
ii. Field purpose						
a. Small field equipment (spade, khurpi etc.) pots, seed, etc.	0.50000	0.50000	0.00000	0.00000	1.00000	
b. Semiskilled/unskilled labour	2.67000	4.00000	3.10000	1.33000	11.10000	
c. Running cost of farm machinery diesel oil etc.	0.00000	0.00000	0.00000	0.00000	0.00000	
d. Small repairs of farm machinery	0.00000	0.00000	0.00000	0.00000	0.00000	
iii. Vehicle hiring for surveys, arranging & attending meetings etc.						
iv. Miscellaneous urgent purchases	0.00000	0.00000	0.00000	0.00000	0.00000	
v. Small animals: rabbit, mice etc.	0.00000	0.00000	0.00000	0.00000	0.00000	
vi. Phone/ fax cost	0.00000	0.00000	0.00000	0.00000	0.00000	
Sub-Total (i+ii+iii+iv+v+vi)	7.17000	6.50000	5.10000	1.33000	20.10000	
Sub-Total (1+2+3+4)	9.90000	11.92016	10.35960	3.13600	35.31576	
III. Institutional Charges	0.49500	0.53500	0.47810	0.14280	1.65090	
TOTAL COST (I+II+III)	22.39500	12.45516	10.83770	3.27880	48.96666	

<u>S.No.</u>	<u>Cooperating Centre: 2. IGKV, Raipur</u>	2018-19 (August, 2018 to March, 2019)	2019-20 (April, 2019 to March, 2020)	2020-21 (April, 2020 to March, 2021)	2021-22 (April, 2021 to July, 2021)	Total
IV.	NON RECURRING COST					
1	Civil Works					
	c. Renovation of labs/experimental facilities including laboratory furniture like analysis bench, fume hood etc.)	0.00000	0.00000	0.00000	0.00000	0.00000
	d. New structures for experimental facilities and for special housing for new equipment	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b)	0.00000	0.00000	0.00000	0.00000	0.00000
2.	Goods & Equipment					
	g. Equipment, Plant & Machinery, Technology to be purchased	7.00000	7.00000	0.00000	0.00000	14.00000
	h. Animals: fish	0.00000	0.00000	0.00000	0.00000	0.00000
	i. Furniture & Fixtures	0.00000	0.00000	0.00000	0.00000	0.00000
	j. Computer hardware & software (costing more than Rs. 5000) related specifically to the project	0.00000	0.00000	0.00000	0.00000	0.00000
	k. Monographs, Manuals, databases (non-bibliographical) etc.	0.00000	0.00000	0.00000	0.00000	0.00000
	l. Miscellaneous	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b+c+d+e+f)	7.00000	7.00000	0.00000	0.00000	14.00000
3.	Capacity Building					
	c. Attending Workshops/Seminars/ Exposure Visits					
	iii. <u>Abroad</u>	0.00000	0.00000	0.00000	0.00000	0.00000
	iv. <u>India</u>	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub-Total (i+ii)	0.00000	0.00000	0.00000	0.00000	0.00000
	d. Organizing Training/workshop-cum-Training	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b)	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub Total (1+2+3)	7.00000	7.00000	0.00000	0.00000	14.00000
	V. RECURRENING COSTS					

5. TA/DA	0.23000	0.50000	0.40000	0.12000	1.25000
6. Review Workshop/Meetings	0.00000	0.00000	0.00000	0.00000	0.00000
7. Contractual Staff	2.40000	4.49839	4.68560	1.62400	13.20799
8. Operational Contingencies					
vii. Laboratory purpose					
f. Chemicals, glassware, raw material, pots etc.	2.00000	2.00000	2.00000	0.00000	6.00000
g. Unskilled/semi skilled labour	0.00000	0.00000	0.00000	0.00000	0.00000
h. Outsourcing of lab work	0.00000	0.00000	0.00000	0.00000	0.00000
i. Small maintenance & repairs of lab equipment (Repair of micromanipulator & accessories)	0.00000	0.00000	0.00000	0.00000	0.00000
j. Computer stationery	0.00000	0.00000	0.00000	0.00000	0.00000
viii. Field purpose					
e. Small field equipment (spade, khurpi etc.) pots, seed, etc.	0.25000	0.25000	0.25000	0.00000	0.75000
f. Semiskilled/unskilled labour	1.33000	2.00000	1.40000	0.67000	5.40000
g. Running cost of farm machinery diesel oil etc.	0.00000	0.00000	0.00000	0.00000	0.00000
h. Small repairs of farm machinery	0.00000	0.00000	0.00000	0.00000	0.00000
ix. Vehicle hiring for surveys, arranging & attending meetings etc.	0.00000	0.00000	0.00000	0.00000	0.00000
x. Miscellaneous urgent purchases	0.00000	0.00000	0.00000	0.00000	0.00000
xi. Small animals: rabbit, mice etc.	0.00000	0.00000	0.00000	0.00000	0.00000
xii. Phone/ fax cost	0.00000	0.00000	0.00000	0.00000	0.00000
Sub-Total (i+ii+iii+iv+v+vi)	3.58000	4.25000	3.65000	0.67000	12.15000
Sub-Total (1+2+3+4)	6.21000	9.24839	8.73560	2.41400	26.60799
VI. Institutional Charges	0.31050	0.41750	0.39690	0.10670	1.23160
TOTAL COST (I+II+III)	13.52050	16.66589	9.13250	2.52070	41.83959

<u>S.No.</u>	<u>Cooperating Centre: 3. University of Delhi North Campus, Delhi</u>	2018-19 (August, 2018 to March, 2019)	2019-20 (April, 2019 to March,2020)	2020-21 (April, 2020 to March, 2021)	2021-22 (April, 2021 to July, 2021)	Total
VII. NON RECURRING COST						
1	Civil Works					
	e. Renovation of labs/experimental facilities including laboratory furniture like analysis bench, fume hood etc.)	0.00000	0.00000	0.00000	0.00000	0.00000
	f. New structures for experimental facilities and for special housing for new equipment	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b)	0.00000	0.00000	0.00000	0.00000	0.00000
2.	Goods & Equipment					
	m. Equipment, Plant & Machinery, Technology to be purchased	25.00000	0.00000	0.00000	0.00000	25.00000
	n. Animals: fish	0.00000	0.00000	0.00000	0.00000	0.00000
	o. Furniture & Fixtures	0.00000	0.00000	0.00000	0.00000	0.00000
	p. Computer hardware & software (costing more than Rs. 5000) related specifically to the project	0.00000	0.00000	0.00000	0.00000	0.00000
	q. Monographs, Manuals, databases (non-bibliographical) etc.	0.00000	0.00000	0.00000	0.00000	0.00000
	r. Miscellaneous	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b+c+d+e+f)	25.00000	0.00000	0.00000	0.00000	25.00000
3.	Capacity Building					
	e. Attending Workshops/Seminars/ Exposure Visits					
	v. <u>Abroad</u>	0.00000	0.00000	0.00000	0.00000	0.00000
	vi. <u>India</u>	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub-Total (i+ii)	0.00000	0.00000	0.00000	0.00000	0.00000
	f. Organizing Training/workshop-cum-Training	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b)	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub Total (1+2+3)	25.00000	0.00000	0.00000	0.00000	25.00000

VIII. RECURRENING COSTS						
9. TA/DA	0.17000	0.25000	0.25000	0.08000	0.75000	
10. Review Workshop/Meetings	0.00000	0.00000	0.00000	0.00000	0.00000	
11. Contractual Staff	4.16000	7.65209	8.03520	2.67840	22.52569	
12. Operational Contingencies						
xiii. Laboratory purpose						
k. Chemicals, glassware, raw material, pots etc.	12.00000	15.00000	15.00000	0.00000	42.00000	
l. Unskilled/semi skilled labour	0.00000	0.00000	0.00000	0.00000	0.00000	
m. Outsourcing of lab work	0.00000	0.00000	0.00000	0.00000	0.00000	
n. Small maintenance & repairs of lab equipment (Repair of micromanipulator & accessories)	0.00000	0.00000	0.00000	0.00000	0.00000	
o. Computer stationery	0.00000	0.00000	0.00000	0.00000	0.00000	
xiv. Field purpose						
i. Small field equipment (spade, khurpi etc.) pots, seed, etc.	0.00000	0.00000	0.00000	0.00000	0.00000	
j. Semiskilled/unskilled labour	0.00000	0.00000	0.00000	0.00000	0.00000	
k. Running cost of farm machinery diesel oil etc.	0.00000	0.00000	0.00000	0.00000	0.00000	
l. Small repairs of farm machinery	0.00000	0.00000	0.00000	0.00000	0.00000	
xv. Vehicle hiring for surveys, arranging & attending meetings etc.	0.00000	0.00000	0.00000	0.00000	0.00000	
xvi. Miscellaneous urgent purchases	0.00000	0.00000	0.00000	0.00000	0.00000	
xvii. Small animals: rabbit, mice etc.	0.00000	0.00000	0.00000	0.00000	0.00000	
xviii. Phone/ fax cost	0.00000	0.00000	0.00000	0.00000	0.00000	
Sub-Total (i+ii+iii+iv+v+vi)	12.00000	15.00000	15.00000	0.00000	42.00000	
Sub-Total (1+2+3+4)	16.33000	22.90209	23.28520	2.75840	65.27569	
IX. Institutional Charges	0.81650	1.07450	1.07450	0.10800	3.07350	
TOTAL COST (I+II+III)	42.14650	23.97659	24.35970	2.86640	93.34919	

<u>S.No.</u>	<u>Cooperating Centre: 4. PJTSAU, Hyderabad</u>	2018-19 (August, 2018 to March, 2019)	2019-20 (April, 2019 to March,2020)	2020-21 (April, 2020 to March, 2021)	2021-22 (April, 2021 to July, 2021)	Total
X.	NON RECURRING COST					
1	Civil Works					
	g. Renovation of labs/experimental facilities including laboratory furniture like analysis bench, fume hood etc.)	0.00000	0.00000	5.00000	0.00000	5.00000
	h. New structures for experimental facilities and for special housing for new equipment	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b)	0.00000	0.00000	5.00000	0.00000	5.00000
2.	Goods & Equipment					
	s. Equipment, Plant & Machinery, Technology to be purchased	1.30000	0.00000	0.00000	0.00000	1.30000
	t. Animals: fish	0.00000	0.00000	0.00000	0.00000	0.00000
	u. Furniture & Fixtures	0.00000	0.00000	0.00000	0.00000	0.00000
	v. Computer hardware & software (costing more than Rs. 5000) related specifically to the project	0.00000	0.00000	0.00000	0.00000	0.00000
	w. Monographs, Manuals, databases (non-bibliographical) etc.	0.00000	0.00000	0.00000	0.00000	0.00000
	x. Miscellaneous	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b+c+d+e+f)	1.30000	0.00000	0.00000	0.00000	1.30000
3.	Capacity Building					
	g. Attending Workshops/Seminars/ Exposure Visits					
	vii. <u>Abroad</u>	0.00000	0.00000	0.00000	0.00000	0.00000
	viii. <u>India</u>	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub-Total (i+ii)	0.00000	0.00000	0.00000	0.00000	0.00000
	h. Organizing Training/workshop-cum-Training	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b)	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub Total (1+2+3)	1.30000	0.00000	5.00000	0.00000	6.30000
	XI. RECURRENCE COSTS					

13.	TA/DA	0.20000	0.50000	0.45000	0.10000	1.25000
14.	Review Workshop/Meetings	0.00000	0.00000	0.00000	0.00000	0.00000
15.	Contractual Staff	2.60000	4.79516	5.00960	1.73600	14.14076
16.	Operational Contingencies					
	xix. Laboratory purpose					
p.	Chemicals, glassware, raw material, pots etc.	5.00000	5.00000	5.00000	0.00000	15.00000
q.	Unskilled/semi skilled labour	0.00000	0.00000	0.00000	0.00000	0.00000
r.	Outsourcing of lab work	0.00000	0.00000	0.00000	0.00000	0.00000
s.	Small maintenance & repairs of lab equipment (Repair of micromanipulator & accessories)	0.00000	0.00000	0.00000	0.00000	0.00000
t.	Computer stationery	0.00000	0.00000	0.00000	0.00000	0.00000
	xx. Field purpose					
m.	Small field equipment (spade, khurpi etc.) pots, seed, etc.	0.20000	0.20000	0.10000	0.00000	0.50000
n.	Semiskilled/unskilled labour	2.53000	3.80000	3.50000	1.27000	11.10000
o.	Running cost of farm machinery diesel oil etc.	0.00000	0.00000	0.00000	0.00000	0.00000
p.	Small repairs of farm machinery	0.00000	0.00000	0.00000	0.00000	0.00000
	xxi. Vehicle hiring for surveys, arranging & attending meetings etc.	0.00000	0.00000	0.00000	0.00000	0.00000
	xxii. Miscellaneous urgent purchases	0.00000	0.00000	0.00000	0.00000	0.00000
	xxiii. Small animals: rabbit, mice etc.	0.00000	0.00000	0.00000	0.00000	0.00000
	xxiv. Phone/ fax cost	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub-Total (i+ii+iii+iv+v+vi)	7.73000	9.00000	8.60000	1.27000	26.60000
	Sub-Total (1+2+3+4)	10.53000	14.29516	14.05960	3.10600	41.99076
	XII. Institutional Charges	0.52650	0.67000	0.66310	0.14130	2.00090
	TOTAL COST (I+II+III)	12.35650	14.96516	19.72270	3.24730	50.29166

Annexure – II
(₹ in lakh)

S.No.	Consolidated Project Budget Year Wise	2018-19 (August, 2018 to March, 2019)	2019-20 (April, 2019 to March,2020)	2020-21 (April, 2020 to March, 2021)	2021-22 (April, 2021 to July, 2021)	Total
1.	NON RECURRING COST					
	Civil Works					
	a. Renovation of labs/experimental facilities including laboratory furniture like analysis bench, fume hood etc.)	0.00000	0.00000	5.00000	0.00000	5.00000
	b. New structures for experimental facilities and for special housing for new equipment	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b)	0.00000	0.00000	5.00000	0.00000	5.00000
2.	Goods & Equipment					
	a. Equipment, Plant & Machinery, Technology to be purchased	60.30000	7.00000	0.00000	0.00000	67.30000
	b. Animals: Buffalo, horse, goat, sheep etc.	0.00000	0.00000	0.00000	0.00000	0.00000
	c. Furniture & Fixtures	0.00000	0.00000	0.00000	0.00000	0.00000
	d. Computer hardware & software (costing more than Rs. 5000) related specifically to the project	3.00000	0.00000	0.00000	0.00000	3.00000
	e. Monographs, Manuals, databases (non-bibliographical) etc.	0.00000	0.00000	0.00000	0.00000	0.00000
	f. Miscellaneous	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b+c+d+e+f)	63.30000	7.00000	0.00000	0.00000	70.30000
3.	Capacity Building					
	a. Attending Workshops/Seminars/ Exposure Visits					
	i. Abroad	0.00000	0.00000	0.00000	0.00000	0.00000
	ii. India	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub-Total (i+ii)	0.00000	0.00000	0.00000	0.00000	0.00000
	b. Organizing Training/workshop-cum-Training	0.00000	0.00000	0.00000	0.00000	0.00000

		Total (a+b)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub Total (1+2+3)	63.30000	7.00000	5.00000	0.00000	0.00000	0.00000	0.00000	75.30000
II. RECURRENCE COSTS									
1. TA/DA		0.93000	1.90000	1.70000	0.47000				5.00000
2. Review Workshop/Meetings		1.00000	1.00000	1.00000	0.00000				3.00000
3. Contractual Staff		18.52000	35.27838	38.85938	12.18880				104.84656
4. Operational Contingencies									
i. Laboratory purpose									
a. Chemicals, glassware, raw material, pots etc.		35.00000	42.00000	39.00000	0.00000				116.00000
b. Unskilled/semi skilled labour		0.00000	0.00000	0.00000	0.00000				0.00000
c. Outsourcing of lab work		0.00000	0.00000	0.00000	0.00000				0.00000
d. Small maintenance & repairs of lab equipment		0.00000	0.00000	0.00000	0.00000				0.00000
e. Computer stationery		0.00000	0.00000	0.00000	0.00000				0.00000
ii. Field purpose									
a. Small field equipment (spade, khurpi etc.) pots, seed, etc.		0.95000	0.95000	0.35000	0.00000				2.25000
b. Semiskilled/unskilled labour		7.43000	11.80000	10.05000	3.72000				33.00000
c. Feed and medicine		0.00000	0.00000	0.00000	0.00000				0.00000
d. Small repairs of farm machinery		0.00000	0.00000	0.00000	0.00000				0.00000
iii. Vehicle hiring for surveys, arranging & attending meetings etc.									
iv. Miscellaneous urgent purchases		0.00000	0.00000	0.00000	0.00000				0.00000
v. Small animals: rabbit, mice etc.		0.00000	0.00000	0.00000	0.00000				0.00000
vi. Phone/ fax cost		0.00000	0.00000	0.00000	0.00000				0.00000
Sub-Total (i+ii+iii+iv+v+vi)		43.44000	54.85000	49.50000	3.76000				151.55000
Sub-Total (1+2+3+4)		63.89000	93.02838	91.05938	16.41880				264.39656
III. INSTITUTIONAL CHARGES									
		4.24050	5.85600	5.50780	0.91140				16.51570
TOTAL COST (I+II+III)		131.43050	105.88438	101.56718	17.33020				356.21226

Annexure - III

Lead/Cooperating Centre wise/head-wise beak-up of the total fund (Recurring and non-recurring heads)

(₹ in lakh)

S.No.	Consolidated Project Budget Centre Wise	UDSC, New Delhi	IARI, New Delhi	IGKV, Raipur	UDNC, Delhi	PJTSU, Hyderabad	Total
I.	NON RECURRING COST						
1	Civil Works						
	a. Renovation of labs/experimental facilities including laboratory furniture like analysis bench, fume hood etc.)	0.00000	0.00000	0.00000	0.00000	5.00000	5.00000
	b. New structures for experimental facilities and for special housing for new equipment	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b)	0.00000	0.00000	0.00000	0.00000	5.00000	5.00000
2.	Goods & Equipment						
	a. Equipment, Plant & Machinery, Technology to be purchased	15.00000	12.00000	14.00000	25.00000	1.30000	67.30000
	b. Animals: Buffalo, horse, goat, sheep etc.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	c. Furniture & Fixtures	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	d. Computer hardware & software (costing more than Rs. 5000) related specifically to the project	3.00000	0.00000	0.00000	0.00000	0.00000	3.00000
	e. Monographs, Manuals, databases (non-bibliographical) etc.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	f. Miscellaneous	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Total (a+b+c+d+e+f)	18.00000	12.00000	14.00000	25.00000	1.30000	70.30000
3.	Capacity Building						
	a. Attending Workshops/Seminars/Exposure Visits						
	i. Abroad	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	ii. India	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Sub-Total (i+ii)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	b. Organizing Training/workshop-cum-	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

BT/IN/NWO/16/SK/2015-16
 Ministry of Science & Technology
 Department of Biotechnology
 Government of India

Block 2, 8th Floor
 CGO Complex, Lodhi Road
 New Delhi - 110 003
 Dated: 17th September, 2015

ORDER

Sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Power Rules, 1978 for the implementation of the Joint Research Project titled "Characterising the molecular-physiological basis of pollen abortion upon prolonged high temperature stress" under DBT-NWO, Netherlands Call for proposals on "Crop Sciences: improved tolerance to heat and drought", with Indian investigators as detailed in Para 2.2. Indian components of the project is sanctioned at a total cost of Rs. 150.072 lakhs (Rupees One crore fifty lakhs seven thousand and two hundred only) for a period of 4 years on the terms and conditions as detailed here under:

2.0 The Project

2.1 Project Title : "Characterising the molecular-physiological basis of pollen abortion upon prolonged high temperature stress".

2.2 Investigators

A. Indian Investigators:

- a. Dr. Sanjay Kapoor, Associate Professor, Department of Plant Molecular Biology, University of Delhi, South Campus, New Delhi-PI and coordinator
- b. Professor Anil Groover, Department of Plant Molecular Biology, University of Delhi, South Campus, New Delhi-CO-PI

B. Netherlands Investigators:

- a. Dr. Ivo Rieu, Heijendaalseweg 135, 6525 AJ Nijmegen, The Netherlands.

2.3 Project Objectives:

- i. Determine heat induced changes in phytohormone concentrations (GA, auxin) during tomato and rice another development at elevated temperature.
- ii. Determine the phenotypic and molecular effects of modifications in hormone signaling causing treatments and mutants and transgenic lines of tomato and rice.
- iii. Establish associations between elevated temperature and hormone pathways, AP3, AGO3 and HSP/HSF by tissue-specific transcriptome profiling of another development stages.
- iv. Determine the phenotypic and molecular-physiological effects of tissue-specific over-expression and silencing of AP3, AGO3 and HSP/HSF.
- v. Test the established relations/model in heat sensitive and tolerant varieties of rice and tomato.
- vi. Determine the robustness and generality of our proposed model under field conditions and in other plant species.

2.4 Time Schedule: The duration of the project is four years from the date of financial sanction.

2.5 Manpower: The details of the manpower sanctioned for the implementation of the project are given at Annexure I.

2.6 Equipment's: The details of the equipment sanctioned for the implementation of the project are given at Annexure II.

2.7 Project Cost: The estimated cost for the Indian component of the project for four years is as under:

A. Non-Recurring:

(Rs. in lakhs)

S.No.	Item	Year I	Year II	Year III	Year IV	Total
1.	Equipment's	19.0	--	--	--	19.0
Total A.		19.0	--	--	--	19.0

Contd. 2/A

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No. BT/PR24637/NER/95/787/2017
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

App. No.: Agri/2017/14

Block 2, (6-8th Floors)
CGO Complex, Lodhi Road,
New Delhi- 110 003

Date: 27/06/2018

RELEASE ORDER

In continuation of this Department's sanction order of even number dated May 29, 2018 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **3140000.00** (Rupees Thirty One Lakhs Fourty Thousand Only) being the first year release for the project entitled "**Whole Genome and transcriptome changes as a consequence of allo and auto-polyploidy in Vigna L.: Phase II**", being implemented by

1. Prof. Satyawada Rama Rao, North-Eastern Hill University, Department of Biotechnology & Bioinformatics, North-Eastern Hill University, Shillong 793022, Shillong - 793022, Meghalaya,
2. Prof. Shailendra Goel, University of Delhi, North Campus, Department of Botany, University of Delhi, North Campus, Delhi 110007, North Delhi - 110007, Delhi,
3. Dr. Surekha Katiyar Agarwal, University of Delhi, South Campus, Department of Plant Molecular Biology, University of Delhi, South Campus, Delhi 110021, South Delhi - 110021, Delhi,

The detailed break-up is as given below:

SNo	Institute Name	Recurring						Total Release Amount (Rs)
		Manpower	Consumable	Travel	Contingency	Others	Overhead	
1	North-Eastern Hill University	360000.00	1000000.00	50000.00	50000.00	0.00	150000.00	1610000.00
2	University of Delhi, North Campus	390000.00	400000.00	15000.00	10000.00	0.00	0.00	815000.00
3	University of Delhi, South Campus	390000.00	300000.00	15000.00	10000.00	0.00	0.00	715000.00

2. The amount of Rs. **3140000.00** /-(Rupees Thirty One Lakhs Fourty Thousand Only) will be directly credited by the Pay & Accounts Officer, DBT in the account as detailed below:

M. S. D. A. S.

1. Rs.1610000.00/- (**Rupees Sixteen Lakhs Ten Thousand Only**) to The Registrar, North-Eastern Hill University, P.O: NEHU Campus, Mawkynroh Umshing,, Shillong - 793022, Meghalaya

Bank Name : Indian Overseas Bank
Branch Name : Shillong branch
A/c No. : 054101000010709
IFSC Code : IOBA0000541
MICR Code : 793020002

2. Rs.815000.00/- (**Rupees Eight Lakhs Fifteen Thousand Only**) to The Registrar, University of Delhi, North Campus, , Delhi - 110007, Delhi

Bank Name : State Bank of India
Branch Name : Delhi University
A/c No. : 10851298650
IFSC Code : SBIN0001067
MICR Code : 110002030

3. Rs.715000.00/- (**Rupees Seven Lakhs Fifteen Thousand Only**) to The Director, University of Delhi, South Campus, New Delhi, Delhi 110021, South Delhi - 110021, Delhi

Bank Name : State Bank of India
Branch Name : South campus Delhi University Branch
A/c No. : 10043546386
IFSC Code : SBIN0008778
MICR Code : 110002175

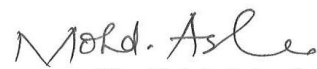
3. The expenditure involved is debitable to:

Demand No. 85	Department of Biotechnology
3425	Other Scientific Research 2018-2019
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.31	Grants-in-Aid General

4. The Registrar, University of Delhi, North Campus, Delhi, Delhi and The Prof. Umesh Rai, University of Delhi, South Campus, South Delhi, Delhi and The Registrar, North-Eastern Hill University, Shillong, Meghalaya will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.
5. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.

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7. The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilisation Certificate and Statement of Expenditure. The Interest so earned will be treated as created to the institute/Agency and shall be adjusted towards further instalment of the grant and or at the time of Final Settlement of Accounts.
8. The other terms and conditions governing the financial sanction will remain unaltered.
9. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **102/IFD/SAN/582/2018-2019** dated **May, 29 2018**.
10. This sanction order has been noted at serial no. 77 in the Register of Grants.


(Dr. Mohd Aslam)
Adviser/Scientist 'G'

To,

The Pay & Accounts Officer,
Department of Biotechnology,
New Delhi - 110 003.

Copy to:

- 1 The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi- 110 002.
- 2 Prof. Satyawada Rama Rao(Project Co-ordinator), Prof. S. Rama Rao, Professor and Head, Department of Biotechnology & Bioinformatics, North-Eastern Hill University, Shillong 793022
- 3 The Registrar, University of Delhi, North Campus, , Delhi - 110007, Delhi
- 4 The Registrar, North-Eastern Hill University, P.O: NEHU Campus, Mawkynroh Umshing,, Shillong - 793022, Meghalaya
- 5 The Director, University of Delhi, South Campus, New Delhi, Delhi 110021, South Delhi - 110021, Delhi
- 6 Prof. Shailendra Goel, Professor, Botany, University of Delhi, North Campus, Department of Botany, University of Delhi, North Campus, Delhi 110007, North Delhi - 110007, Delhi
- 7 Dr. Surekha Katiyar Agarwal, Assistant Professor, Plant Molecular Biology, University of Delhi, South Campus, Department of Plant Molecular Biology, University of Delhi, South Campus, Delhi 110021, South Delhi - 110021, Delhi
- 8 Prof. Satyawada Rama Rao, Professor, Department of Biotechnology and Bioinformatics, North-Eastern Hill University, Department of Biotechnology & Bioinformatics, North-Eastern Hill University, Shillong 793022, Shillong - 793022, Meghalaya
- 9 Cash Section, DBT (2 copies).

- 10 Sanction Folder.
- 11 File Copy.
- 12 **US (IFD) DBT with request to re-appropriate an amount of Rs. 3140000.00 this from respective NER Budget**



(Dr. Mohd Aslam)
Adviser/Scientist 'G'