

Prof. Ashwini K. Phukan

Department of Chemical Sciences

Tezpur University

Tezpur 784 028, Assam, INDIA

e-mail: ashwini@tezu.ernet.in

Ph: +91 (3712) 275060 (O)

09435521437 (Mobile)

Fax: +91 (3712) 267005

September 8, 2022

To
Dr. C. Sivaji
Scientist-F
International Bilateral Cooperation Division
Department of Science and Technology
Technology Bhavan, New Mehrauli Road
New-Delhi-110 016

Subject: Submission of Project completion Report, Utitization certificate and Statement of Expenditure

Ref. DST-DAAD Project No. DST/INT/DAAD/P-12/2019

Dear Sir,

Please find herewith the Project completion Report, signed Utilization certificate, Statement of Expenditure, Form GFR 12A and Form GFR19 of the above referenced project. Also, enclosed are two receipts of BharatKosh towards deposition of unspent balance (Rs. 6,84,000/-) and interest earned (Rs. 17,000/-).

I take this opportunity to express my sincere gratitude to DST for all the help and funding.

Sincerely Yours,

(Ashwini K. Phukan)

List of Enclosures:

1. Project Completion Report

2. Utilization certificate and Statement of Expenditure (02 copies)

3. Forms GFR12 A and GFR 19

4. BharatKosh Receipts (02 numbers)

5. Copy of the research publications

Project Completion Report

1.	1 1	DST/INT/DAAD/P	-12/2019			
2.	Project title	Synthesis, Reactivit Borylenes	ty and Bonding in Metal and Metal-free			
3.	Objectives	(A)Synthesis of boron(I) species with new substitution patterns and				
		understand their bonding. This includes -				
		bases	orylene complexes by using various stabilizing			
		(ii) Development of ne	ew synthetic methods			
			n(I) compounds with other low-valent species			
		(i) Reaction with small (ii) Reaction with organ (iii) Understand the pho stabilized borylene spe	wity of boron(I) species. molecules and fixation of dinitrogen nic moieties (carbodilmides, ketones, etc.) otophysics of the dissociation of carbonyl ecies. lity of catalytic transformations			
	Field of S&T covered under the project	Chemistry				
		Project p	articipants			
	Ind	an side	Foreign side			
	Prof. Ashwini K. Phukan Miss Priyam Bharadwaz, M. Sc.		Dr. Conor Pranckevicius Dr. James Goettel Benedikt Ritschel Marcel Haerterich			
	Date of start of the proje	ect	25-09-2019			
	Date of completion		24-03-2022			

Ahaini In Markan

	ease include the number and duration of respenses Name & Address of the visiting scientist	Duration of the visit
India to <u>Germany</u>	1. Prof. Ashwini K. Phukan Department of Chemical Sciences, Tezpur University, Napam – 784028, Assam	January 07-30, 2020 (24 days)
Germany to India	1. Dr. Conor Pranckevicius Institute of Inorganic Chemistry Lehrstuhl II, Am Hubland, Julius- Maximilians-Universität Würzburg, 97074 Würzburg, Germany	November 05-20, 20 (16 days)
	2. Mr. Benedikt Ritschel Institute of Inorganic Chemistry Lehrstuhl II, Am Hubland, Julius- Maximilians-Universität Würzburg, 97074 Würzburg, Germany	March 03-22, 2020 (20 days)
	3. Mr. Marcel Haerterich Institute of Inorganic Chemistry Lehrstuhl II, Am Hubland, Julius- Maximilians-Universität Würzburg, 97074 Würzburg, Germany	March 03-22, 202 (20 days)

8. Yearly Project milestones

First Year

- (i) Experimental work on thermal release of trimethylphosphine from phosphine-stabilized borylborylenes to generate reactive borylenes that effect metallomimetic transformations under mild conditions.
- (ii) Computational studies toward evaluating the relative thermodynamic stabilities of a range of ligand-stabilized borylenes.

Second Year

- (i) Experimental work on thermally induced, hybrid inorganic-organic ene-yne cross-metathesis reactions between diborenes and acetylene.
- (ii) Comprehensive Computational mechanistic studies to understand the formation of fully planar, π-delocalized 1,8-diaza-3,6-diboraoctatetraenes via cross-metathesis between an organic alkyne and inorganic cyclic alkyl(amino)carbene (CAAC)-stabilized B=B double bonds.

Ahaini In Merkan

9. Progress of the Project:

Accomplishment Status: (vis-à-vis the project objectives and milestones, highlighting the major/salient achievements): (Up-to 1 page)	Please see Annexure I
List of joint research publications (Please attach copies)	1. Chem. Sci, 2020 , 11, 11055-11059. 2. J. Am. Chem. Soc. 2021 , 143, 18339-18345.
Technology/ New Processes/ Patents generated	Not applicable as this project is fundamental in nature.
Scope for commercializing the new Scientific Knowledge	Since this project is based primarily on fundamental research, thus the discoveries made herein are unlikely to directly find practical or industrial use

10. Please elaborate with your remarks on the collaboration:

Specific advantages derived:

- Expertise
- Equipment & computational Facilities
- Exchange of Data/Samples
- Exposure to advanced technologies
- Opportunity for new interactions with any other research Organizations
- Participation in Conferences

This collaboration helped us to understand the expectations of an experimental group from their theory counterparts. We could use the state-of-the-art computational facilities that is available with Prof. Braunschweig's research group. We were also shown how sensitive experiments are being performed inside a Glove Box.

11. Application potential (immediate/long term)-

Since this project is based primarily on fundamental research, thus the discoveries made herein are unlikely to directly find practical or industrial use. However, any polymer or catalytic reaction discovered during this work may in the future find practical use after a period of development.

12. Financial details of the project-

Total project cost	Rs. 13,68,000/-
Money received	Rs. 10,01,570/- (this includes an amount of Rs. 17,100/- that was earned as bank interest)
Expenditure incurred	Rs. 3,00,470/-
Final SE/UC (in prescribed format attached	Yes

Ashevini In Mukan

13. Conclusion summarizing the achievements and indication of scope for future work-

This highly successful collaborative research work involved experimental and theoretical work in the following areas as described in our original proposal:

- (A) Synthesis of boron(I) species with new substitution patterns and understand their bonding.
- (B) Study of the reactivity of boron(I) species.

Subproject A was furthered on the German side by experimentally demonstrating the thermal lability of phosphine- and DMAP-stabilised borylenes, and that such species can effectively behave as convenient and stable sources of reactive two-coordinate borylenes in exchange reactions with other nucleophiles and unsaturated substrates. It was revealed that PMe₃-stabilised borylenes can effectively behave as stable sources of the analogous fleeting dicoordinate species under mild conditions. On the Indian side, we performed computational studies to evaluate the relative thermodynamic stabilities of a range of ligand-stabilized borylenes. This work has recently led to the publication of a full paper in the high-impact general chemistry journal Chemical Science (Phosphinoborylenes as stable sources of fleeting borylenes, *Chem. Sci.* 2020, *11*, 11055–11059).

In Subproject B, research on the German side included synthesis of highly colored, fully planar, and π -delocalized B,N-doped analogues of (3E,5E)-octa-1,3,5,7-tetraene by the first inorganic-organic cross-metathesis of CAAC-stabilized dihydro- and dicyanodiborenes with acetylene. On the Indian side, we performed in-depth calculations to identify the ground states of these compounds as well as to understand the mechanism of their formation. The calculations reveal that these compounds have an open-shell singlet biradical ground state with a thermally accessible closed-shell singlet state and that their formation proceeds via a biradical cycloaddition mechanism, enabled by the π -accepting CAAC ligands. These combined experimental and computational studies led to the publication of a paper in the premier general chemistry journal Journal of the American Chemical Society (Hybrid Inorganic-Organic Cross-Metathesis between Diborenes and Acetylene, *J. Am. Chem. Soc.* **2021**, *143*, 18339–18345).

Ashain Gr. Mechan

Accomplishment Status

In our first work, we have evaluated the relative thermodynamic stabilities of a range of ligand-stabilized borylenes (Figure 1). It was found that both phosphorus and nitrogen bases feature weak interactions with the borylene center (ca. -10.0 - -18.0 kcal·mol-1) and might thermally anticipated to form complexes. More strongly donating NHCs and more strongly π -acidic bases such as CO and isocyanides feature stronger bonds with the borylene center, which would be anticipated to form robust complexes. It was found that the energy of formation of 1a (L = PMe3, -15.2 kcal·mol⁻¹) and **2c** (L = 4-Dimethylaminopyridine, -18.0 kcal·mol⁻¹) are similar with respect to the "free" unsaturated two-coordinate borylene, accounting for the partial conversion observed upon heating solutions of 1a. The borylenes 2a (L = 2,6-dimethylphenylisocyanide)and 2b (L = CO) have significantly more exergonic formation energies (-40.4 and -34.9 kcal·mol⁻¹). This work has been published in Chemical Science (Chem. Sci. 2020, 11, 11055-11059).

X	Y Dipp
1,00	B(NMe ₂) ₂
Ďípp + L	Ĺ

	ΔG (kcal·mol ⁻¹)
L=	8.8
NMe ₃	5.5
tetrahydrofuran	-10.0
N ₂	-12.8
PMe ₃ *	-13.3
PMe₂Ph	-13.3
pyridine	-13.5
imidazole	-15.2
PMe ₃ (E isomer)	-18.0
4-Dimethylaminopyridine	-18.6
MeCN N	-28.3
1	-33.7
	-34.9
со	-37.7
MeNC 2,6-dimethylphenylisocyanide	-40.4

Figure 1

In the second work, we have computationally investigated the hybrid inorganic-organic ene-yne cross-metathesis reactions between diborenes and acetylene yielding fully planar, π -delocalized 1,8-diaza-3,6-diboraoctatetraenes **2H** and **2CN** (Figure 2). The mechanism of formation of **2H** and **2CN** was investigated computationally at the mechanism of formation of **2H** and **2CN** was investigated computationally at the mechanism of formation of the uncertainty parallel to the first and rate-limiting step of the reaction is the formation of the first B–C bond between **1** and acetylene, with a barrier of 20.5 kcal mol⁻¹ for **1** and 18.0 kcal mol⁻¹ for **1** cn. Subsequent rotation of the C_2H_2 fragment brings it nearly parallel to the kcal mol⁻¹ for **1** cn. Subsequent rotation of the C_2H_2 fragment brings it nearly parallel to the B–B bond, thus enabling the highly exergonic formation of the second B–C bond, which yields the intermediate 1,2-dihydro-1,2-diborete $Int3^{Y}$. The formation of $Int3^{Y}$ via $Int3^{Y}$ is hugely exergonic ($\Delta G_3 = -42.1$ (Y = H), -49.3 (Y = CN) kcal mol⁻¹) and involves only a minor barrier ($\Delta G_3^{\ddagger} = 3.5$ (Y = H), 1.7 (Y = CN) kcal mol⁻¹). With $Int1^{Y}$, $Int1^{Y}$, $Int1^{Y}$ and $Int2^{Y}$ all showing significant singlet biradical character, the mechanism of formation of $Int3^{Y}$ differs from that computed for the cycloaddition of terminal alkynes to doubly NHC- or phosphine-

Ashain In Mulan

stabilised diborenes, which proceeds via a zwitterionic closed-shell intermediate. In the present case the biradical intermediates and transition states are stabilised by the presence of the π -accepting CAAC ligands. In order to relieve ring strain, Int3^Y undergoes homolytic B–B bond cleavage to yield the π -delocalized intermediate Int4^Y, which is the *cis* conformer of the final product 2^Y and also displays some singlet biradical character. Finally, rotation of the central C–C bond of Int4^Y yields the more stable *trans* isomer 2^Y. Overall the formation of 2^Y from the 1^Y-acetylene π complex is highly exergonic with $\Delta G_R = -53.8$ (Y = H), 69.3 (Y = CN) kcal mol⁻¹. It is noteworthy that all intermediates, transition states and final product are lower in energy for Y = CN than for Y = H, suggesting an electronic stabilization by the electron-withdrawing cyano substituents, This work has been published in Journal of the American Chemical Society (*J. Åm. Chem. Soc.* 2021, 143, 18339–18345).

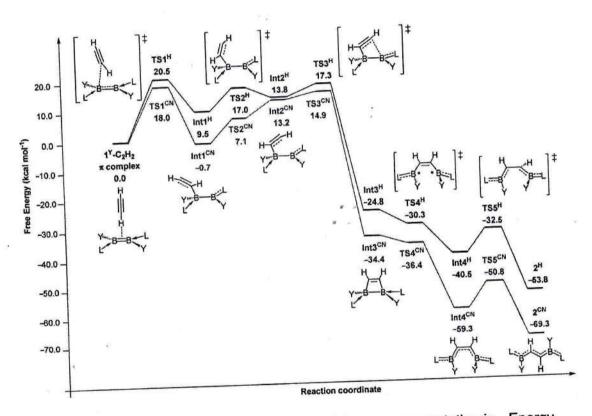


Figure 2. Calculated mechanism of diborene-acetylene cross-metathesis. Energy profile calculated at the UPBE0(BS)-D3(benzene)/Def2-SVP level for the reaction of acetylene with 1^H (in blue) or 1^{CN} (in red) in benzene.

Ashain In Mukan

GFR 12 - A

[(SEE RULE 238 (1)]

FORM OF UTILIZATION CERTIFICATE FOR THE GRANTEE ORGANIZATION INCLUDING **AUTONOMOUS ORGANIZATIONS**

UTILIZATION CERTIFICATE FOR THE YEAR April 01, 2021- March 31, 2022

In respect of recurring GRANT-IN-AID

Name of the scheme: Indo-German (DST-DAAD) joint research project entitled "Synthesis, 1.

Reactivity and Bonding in Metal and Metal-free Borylenes"

2. Whether recurring or non-recurring grants:

Recurring

Grants position at the beginning of the financial year 3.

(i) Cash in Hand/Bank

Rs. 6,84,000/-

(ii) Unadjusted advances

Nil

(iii) Total

Rs. 6,84,000/-

Details of grants received, expenditure incurred and closing balances: (Actuals) 4.

Unspent Balances of Grants received year [figure as at SI No 3(iii)]	Interest earned thereon	Interest deposited back to the government	Grant rece	ived during	the year	Available funds (Rs.) (1+2-3+4) including interest	Expenditure incurred (Rs.)	Closing Balance (5-6)
1	2	3		4		5	6	7
:			Sanction no. (i)	Date (ii)	Amount (Rs.) (iii)			
Rs. 6,84,000/-	17,100/-	Nil		Nil	<u> </u>	7,01,100/-	Nil	7.01,100/-

5. Component wise utilization of grants:

Grants-in-aid- General	Grant-in-aid -Salary	Grants-in-aid-creation of capital	Total
Nil	Nil	Nil	ACI

6. Details of grants position at end of the year

(i) Cash in Hand /Bank

: Rs. 7,01,100/-

(ii) Unadjusted Advance

: Nil

(iii) Total

: Rs. 7,01,100/-

Certified that I have satisfied myself that the conditions on which grants were sanctioned have been duly fulfilled /are being fulfilled and that I have exercised following checks to see that the money has been actually utilized for the purpose for which it was sanctioned:

The main accounts and other subsidiary accounts and registers (including assets register) are maintained as prescribed in the relevant Act/Rules/standing instructions (mention the Act/Rules)

and have been duly audited by designated auditors. The figures depicted above tally with the audited figures mentioned in financial statements/accounts.

There exist internal controls for safeguarding public funds/assets, watching outcomes and achievements of physical targets against the financial inputs, ensuring quality in asset creation etc. & the periodic evaluation of internal controls is exercised to ensure their effectiveness.

(iii) To the best of our knowledge and belief, no transactions have been entered that are in violation of relevant Act/Rules/standing instructions and scheme guidelines.

(iv) The responsibilities among the key functionaries for execution of the scheme have been assigned in clear terms and are not general in nature.

(v) The benefits were extended to the intended beneficiaries and only such areas/districts were covered where the scheme was intended to operate.

(vi) The expenditure on various components of the scheme was in the proportions authorized as per the scheme guidelines and terms and conditions of the grants-in-aid.

(vii) It has been ensured that the physical and financial performance under. Indo-German (DST-DAAD) joint research project scheme has been according to the requirements, as prescribed in the guidelines issued by Govt. of India and the performance/targets achieved statement for the year to which the utilization of the fund resulted in outcomes give at Annexure- I duly enclosed.

(viii) The utilization of the fund resulted in outcomes give at Annexure - I duly enclosed formulated by the Ministry /Department concerned as per their requirements/specifications.)

(ix) Details of various schemes executed by the agency through grants-in-aid received from the same Ministry or from other Ministries is enclosed at Annexure—II (to be formulated by the Ministry/Department concerned as per their requirements/specifications).

Date:

Place: Signature

Name 2161 CV

Chief Finance Officer (Head of the Finance)

Finance Officer Tezpur University Signature

Name

Head of the Organisation

Registrar

Tespur University

(TO BE FILLED IN BY DST)

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned:

Kinds of checks exercised.

1.

2.

3.

4.

Signature Designation Date

Annexure - II

Grant Received in each year:

Rs. N/A

Rs .6,84,000/-

Rs. 3,00,470/-

Rs. 17,100/-

Rs.10,01,570/-

REQUEST FOR ANNUAL INSTALLMENT WITH UP-TO-DATE STATEMENT OF EXPENDITURE

(1st April, 2021 to 31st March, 2022)

6.

a.

b.

C.

d.

e.

l year

II year

III year

Interest,

Total

1. Sanction Letter No.: DST/INT/DAAD/P-12/2019

2. Total Project Cost Rs. 13,68,000/-

3. Sanctioned/Revised

project cost

(if applicable) Rs. N/A

4. Date of commencement

of Project

: 27-09-2019

5. Statement of Expenditure

Month

Year

Note:

- Expenditure under the sanctioned heads, at any point of time, should not exceed funds allocated under the head, without prior approval of DST i.e. Figures in Column (vii) should not exceed corresponding figures in Column (iii)
- Utilisation Certificate for each financial year ending 31st March has to be enclosed, along with request for carry-forward permission to next year

Annexure IInd Continued

	Sanctioned	Funds		Expenditure Incurred	Incurred		Balance	Required	Remarks
	Heads**	Allocated	۲.	Ⅱ Yr.	III Yr.	Total (iv+v+vi)	as on date (Col. iii - vii)	Funds till 31 March, 2022	(if any)
1	Ë	E	.×	۷.	vi.	vii.	viji.		×
100	Salaries	·		ı					
1	Permanent Equipments	ı		•	ı				
100	Supplies &		1	1	ı				
-	Materials/consumables								
2	Travel of Indian Scientists	7,24,470/- 1,51,251/-	1,51,251/-	īŽ	Ē	1,51,251/-	5,73,219/-	Ē	
-	Abroad			¥2					
2 resume	Hospitality of Foreign	2,60,000/-	1,49,219/-	Ī	Ē	1,49,219/-	1,10,781/-	Ē	
-	Scientists				*				
	- Per diem @ Rs.2,500								
	- Accommodation @								
	Rs.4,000/- per day								
	Contingencies		-	-	,				
1	Overhead Expenses	•		•	•				
	Interest earned	17,100/-	,	٠	,		17,100/-		
1.0	Total	10,01,570/-	3,00,470/-	Ē	Ē	3,00,470/-	3,00,470/- 7,01,100/-*	Ē	

* The balance amount of Rs. 7,01,000/- (Rupees Seven Lakh One Thousand One Hundred only) is deposited to BharatKosh vide transaction Ref. Nos. (i) 1107220007062 for Rs. 6,84,000/- (unspent balance) and (ii) 1107220006217 for Rs. 17,100 (interest earned).

PROF. ASHWINI K. PHUKAN

Name & Signature
Principal Investigator: Ashain: R. Mado

Signature of Competent financial authority
Date: Finance Office:

FORM GFR 12 A

UC ID: 18254096

FORM GFR 12-A [See Rule 238(1)]

Form of Utilization Certificate FOR AUTONOMOUS BODIES OF THE GRANTEE ORGANIZATION

UTILIZATION CERTIFICATE FOR THE YEAR 2021-2022 in respect of Recurring/non-recurring GRANTS-IN-AID/SALARIES/CREATION OF CAPITAL ASSETS

- 1.Name of the Scheme: RESEARCH AND DEVELOPMENT(s&t)-3237
- 2. Whether recurring pr non-recurring grants :N/A

3. Grants positions of the beginning of the Financial year

(i.) Cash in Hand/Bank: 0.00 (ii.) Unadjusted advances: 0.00

(iii.) Total: 0.00

4. Details of grants received, expenditure incurred and closing balances: (Actuals):

	To the second	THE CONT THE STATE OF THE STATE OF THE STATE OF	Topis were Whitesa	7.6			5-1900 - 1908 \$15-191 - 453	Closing Palarum(7)
0.00	17100.00	684000.00	DST/INT/DAAD/P- 12/2019	11-01- 2021	684000.00	17100.00	0.00	17100.00

Grant-in-aid-General	Grant-in-aid-Salary	Grant-in-aid-creation of capital assets	Total
0.00	0.00	0,00	0.00

Details of grants position of the end of the year

3. Grants positions of the End of the Financial year:

(i.) Cash in Hand/Bank: 17100.00 (ii.) Unadjusted advances: 0.00

(iii.) Total: 17100.00

Certified that I have satisfied myself that the condition on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

1. The main accounts and other subsidiary accounts and registers(including assets registers) are maintained as prescribed in the relevant Act/Rules/Standing instructions (mention the Act/Rules) and have been duly audited by designated auditors.

The figures depicted above tally with the audited figues mentioned in financial statements/accouns.

- 2. There exist internal controls for safeguareding public funds/assets, watching outcomes and achiwevemnets of physical targets against the financial inputs, ensuring quality in asset creation etc. & the periodic evaluation internal controls is exercised to ensure their effectiveness.
- 3. To the best or our knowledge and belief , no transactions have been enterd that are in violation of relevant Act/Rules/Standing instructions and scheme guidelines.
- 4. The responsibilites among the key functionaries for execution of the schema have been assigned in clear terms and are not general in nature.
- The benefits were extended to the intended beneficiaries and only such areas/districts were guidelines and terms and conditios of the gaints-in-aid.
- 6. It has been ensured that the physical and financial performance under RESEARCH AND DEVELOPMENT(s&t)-3237 (name of the scheme has been according to the requirements, as prescribed in the guidelines issued by Govt. of india and the. performane/ta/gets achieved statement for the year to which the utilization of the fund resulted in outcomes given at Annexure- I duly enclosed.

Ministry/Department concerned as per their requirements/specifications.)

8. Details of various schemes executed by the agency through grants-in-aid received from the some Ministry or from other Ministries is enclosed at Annesxure-2 (to be formulated by the Ministry/Departments concerned as per their requirements/specifications).

Date : Place :

Signature

Name......0.5

Chief Finance Officer (Head of the Finance) Officer

Signature Tezpur University

Name.....

Head of the Organisation

(Strike out in inapplicable terms)

FORM GFR 19

UC ID: 18254096

FORM GFR 19-A [See Rule 212(1)] Form of Utilization Certificate

\$7.5gm	Simplifia Parkies	\$13 1420 N.200	Chrystolaea Ataeval
1	DST/INT/DAAD/P-12/2019	11-01-2021	684000.00

Certified that Out Of Rs. Nil Grants-in-aid Sanctioned during the year 2021-2022 in Favour Of Tezpur University under this Ministry/Department Letter No. given in the margin and Rs.684000.00 on account of unspent balance of the previous year,a sum of Rs. 0.00 has been utilized for the purpose of for which it was sanctioned and that the balance of Rs 684000.0000 remaining unutilized at the end of year has been surrenderd to Government (vide No dated)/ will be adjusted towards the grants-in-aid payable during the next year 2022-2023 Interest earned is 17100.00 and Additional expenditure of Rs 0.00 has been incurred from internal resources and will be adjusted against next release.

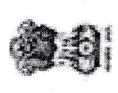
2.Certified that I have satisfied myself that the condition on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds Of checks exercised

- · Cash book verified regularly
- Bank Pass Book verified
- Stock Register verified
- Charted Accountant checked the expenses and certified
- Ledger
- Payment vouchers
- Bank Reconciliation
- Inventory
- Vouchers
- Account audited by competent authority

Signature..... Designation....

Date..... Finance Officer Tezpur University



Government of India Receipt Portal

RECEIPT

Transaction Ref.No. 1107220007062

Dated: Jul 18 2022 11:07PM

Received from M/S. TEZPURUNIVERSITY

with Transaction Ref.No.

1107220007062 with T

Dated Jul 18 2022 11:07PM the sum of INR 684000 (Six Lakhs Eighty-Four Thousand Only) through Internet based Online payment in the account of

REFUND OF UNSPENT BALANCES DST, , DST-A K PHUKAN.

Disclaimer:- This is a system generated electronic receipt, hence no physical signature is required for the purpose of authentication Printed On: 30-07-2022 03:40:02

Courtesy -- Controller General of Accounts



Government of India Receipt Portal

RECEIPT

Transaction Ref.No. 1107220006217

Dated: Jul 18 2022 11:07PM

M/S. TEZPURUNIVERSITY

with Transaction Ref.No.

1107220006217 Received from

Dated Jul 18 2022 11:07PM the sum of INR 17100 (Seventeen Thousand One Hundred Only)_through Internet based Online payment in the account of

interest receipt on unspent balances DST, , DST- INTT A K PHUKAN.

Disclaimer:- This is a system generated electronic receipt, hence no physical signature is required for the purpose of authentication Printed On: 30-07-2022 04:5:41