5 & 5A, Lower Ground Floor Vasant Square Mall Plot No. A, Community Centre Sector-B, Pocket-5, Vasant Kunj New Delhi-110070

Dated: 19-Nov-2019

ORDER

Subject: Financial Sanction of the research project titled **"Translational of molecular mechanism underlying circulating mitochondrial DNA release during cardiac pathological hypertrophy towards therapy of the myocardium"** under the guidance of Dr. Santanu Rana, Zoology, Raja Peary Mohan College , P.o. uttarpara. district hooghly, Hooghly, West bengal-712258 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 5623438/- (Rs. Fifty Six Lakh Twenty Three Thousand Four Hundred and Thirty Eight Only) with break-up of Rs. 1520097/- under Capital (Non-recurring) head and Rs. 4103341/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 5623438/- has been approved are given below:

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Micropipettes -> Noninvasive Blood Pressure -> ThermoMixer -> Ultrafreezer -86	1520097
A'	Total (Non-Recurring)	1520097
В	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1257120 2300000 35000
2	Recurring - IV : (Overhead Charges)	511221
B'	Total (Recurring)	4103341
С	Total cost of the project (A' + B')	5623438

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 1520097/-** (Rupees Fifteen Lakh Twenty Thousand and Ninety Seven only) under 'Grants for creation of capital assets' and **Rs. 871003/-** (Rupees Eight Lakh Seventy One Thousand and Three only) under 'Grants-in-aid General' to **Principal, Raja Peary Mohan College, P.O. Uttarpara. District Hooghly** being the first installment of the grant for the year 2019-2020 for implementation of the said research project.

3. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)** This release is being made under Early Career Research Award. (EC Life Sciences)

4. The Sanction has been issued to Raja Peary Mohan College, P.O. Uttarpara. District Hooghly with the approval of the competent authority under delegated powers on **01 November**, **2019** and vide Diary No. **SERB/F/6621/2019-2020** dated **14 November**, **2019**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activites enlisted under SSR norms and under no circumstances it can be reappropriated.

9. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

10. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

11. The release amount of **Rs. 2391100/-** (Rupees Twenty Three Lakh Ninety One Thousand One Hundred only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	RPMC
Account Name	RAJA PEARY MOHAN COLLEGE
Account Number	11141290185
Bank Name & Branch	STATE BANK OF INDIA 182, G T ROAD, DISTT. HOOGHLY, WEST BENGAL 712258
IFSC/RTGS Code	SBIN0001403
Email id of A/C Holder	rajapearymohancollege@gmail.com
Email id of PI	srana.zoo@rpmcollege.org

12.The institute will furnish to the SERB, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

13. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

14. The project File no. ECR/2018/001901 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

15. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project

16. As this is the first grant being released for the project, no previous U/C is required.

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17. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

18. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

19. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board.

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(Dr. Thangaradjou T) Scientist E msls@serb.gov.in

To, Under Se SERB, Ne Copy for	cretary w Delhi warded for information and necessary action to: -
1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB , New Delhi.
3.	File Copy
4.	Dr. Santanu Rana Zoology Raja Peary Mohan College, P.o. uttarpara. district hooghly, Hooghly, West bengal-712258 Email: srana.zoo@rpmcollege.org Mobile: 919831802169 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <u>www.serb.gov.in.</u>)
5.	Principal, Raja Peary Mohan College, P.O. Uttarpara. District Hooghly (Receipt of Grant may be intimated by name to the undersigned)

T.T. (Dr. Thangaradjou T) Scientist E msls@serb.gov.in

vernment of India) 5 & 5A, Lower Ground Floor Vasant Square Mall Plot No. A, Community Centre Sector-B, Pocket-5, Vasant Kunj New Delhi-110070

Dated: 22-Jun-2020

ORDER

Subject: Research project entitled **"Translational of molecular mechanism underlying circulating mitochondrial DNA release during cardiac pathological hypertrophy towards therapy of the myocardium"** under the guidance of Dr. Santanu Rana, Zoology, Raja Peary Mohan College , P.o. uttarpara. district hooghly, Hooghly, West bengal-712258.

1. This is in continuation of SERB's sanction order No. "ECR/2018/001901" dated "19 November, 2019 " of Science and Engineering Research Board (SERB).

2. Sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 900000/-** (Rupees Nine Lakh only) under 'Grants-in-aid General' to **Principal, Raja** Peary Mohan College, P.O. Uttarpara. District **Hooghly** being the 2nd grant for the financial year 2020-2021 for implementation of the above said project.

3. Sanction of the competent authority is also accorded to the carry forward of unspent balance of **Rs. 1848/**-(Rupees One Thousand Eight Hundred and Forty Eight only) (Recurring Rs. 1003 and Non-Recurring Rs. 845) to Raja Peary Mohan College, P.O. Uttarpara. District Hooghly from FY 2019-2020 to FY 2020-2021 for the same purpose for which it was sanctioned.

4. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in).

5. It is certified that provision of GFR 212 relating to Utilization Certificates (Ucs) for the funds released under the grant have been satisfied and the UC/s is/are enclosed herewith.

6. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER) This release is being made under Early Career Research Award. (EC Life Sciences) (GEN).**

7. The Sanction has been issued to Raja Peary Mohan College, P.O. Uttarpara. District Hooghly with the approval of the competent authority under delegated powers on 18 June, 2020 and vide Diary No. SERB/F/600/2020-2021 dated 22 June, 2020

8. The release amount of **Rs. 900000/-** (Rupees Nine Lakh only) (Recurring Rs. 900000 and Non-Recurring Rs. 0) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	RPMC
Account Name	RAJA PEARY MOHAN COLLEGE
Account Number	11141290185
Bank Name & Branch	STATE BANK OF INDIA 182, G T ROAD, DISTT. HOOGHLY, WEST BENGAL 712258
IFSC/RTGS Code	SBIN0001403
Email id of A/C Holder	rajapearymohancollege@gmail.com
Email id of PI	srana.zoo@rpmcollege.org

9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

10. As per rule 211 of GFR the accounts of Grantee Institution shall be open to inspection by the sanctioning authority / audit whenever the institute is called upon to do so.

11. The institute will furnish to the SERB, Utilization certificate(separate for Recurring & Non-Recurring) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. After completion of the project unspent balance if any should be returned as Demand Draft drawn in favour of "Fund for Science and Engineering Research" payable at New Delhi.

13. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

14. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.

(Dr. Thangaradjou T)

Scientist E msls@serb.gov.in

To, Under Secretary SERB, New Delhi ny forwarded for information and necessary action to: -

	Copy forwarded for information and necessary action to.	
1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002	
2.	Sanction Folder, SERB , New Delhi.	
3.	File Copy	
4.	Dr. Santanu Rana Zoology Raja Peary Mohan College , P.o. uttarpara. district hooghly, Hooghly, West bengal-712258 Email: srana.zoo@rpmcollege.org Mobile: 919831802169	
5.	Principal, Raja Peary Mohan College, P.O. Uttarpara. District Hooghly	

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(Dr. Thangaradjou T) Scientist E msls@serb.gov.in

5 & 5A, Lower Ground Floor Vasant Square Mall Plot No. A, Community Centre Sector-B, Pocket-5, Vasant Kunj New Delhi-110070

Dated: 02-Jul-2021

ORDER

Subject: Research project entitled "Translational of molecular mechanism underlying circulating mitochondrial DNA release during cardiac pathological hypertrophy towards therapy of the myocardium" under the guidance of Dr. Santanu Rana, Zoology, Raja Peary Mohan College , P.o. uttarpara. district hooghly, Hooghly, West bengal-712258.

1. This is in continuation of SERB's sanction order No. "ECR/2018/001901" dated "19 November, 2019 " of Science and Engineering Research Board (SERB).

2. Sanction of the competent authority is hereby accorded to the payment of a sum of Rs. 750000/- (Rupees Seven Lakh Fifty Thousand only) under 'Grants-in-aid General' to Principal, Raja Peary Mohan College, P.O. Uttarpara. District Hooghly being the 3rd grant for the financial year 2021-2022 for implementation of the above said project.

3. Sanction of the competent authority is also accorded to the carry forward of unspent balance of Rs. 20278/- (Rupees Twenty Thousand Two Hundred and Seventy Eight only) (Recurring Rs. 19433 and Non-Recurring Rs. 845) to Raja Peary Mohan College, P.O. Uttarpara. District Hooghly from FY 2020-2021 to FY 2021-2022 for the same purpose for which it was sanctioned.

4. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in),

5. It is certified that provision of GFR 212 relating to Utilization Certificates (Ucs) for the funds released under the grant have been satisfied and the UC/s is/are enclosed herewith.

6. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Early Career Research Award. (EC Life Sciences) (GEN).

7. The Sanction has been issued to Raja Peary Mohan College, P.O. Uttarpara. District Hooghly with the approval of the competent authority under delegated powers on 08 June, 2021 and vide Diary No. SERB/F/360/2021-2022 dated 09 June, 2021

8. The release amount of Rs. 750000/- (Rupees Seven Lakh Fifty Thousand only) (Recurring Rs. 750000 and Non-Recurring Rs. 0) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	RPMC
Account Name	RAJA PEARY MOHAN COLLEGE-DST BOO
Account Number	50100350006541
Bank Name & Branch	HDFC 81A, Joy Krishna St, Kotrung, Uttarpara, West Bengal 712258
IFSC/RTGS Code	HDFC0004335
Email id of A/C Holder	rajapearymohancollege@gmail.com
Email id of PI	rana.santanu@gmail.com

9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

10. As per rule 211 of GFR the accounts of Grantee Institution shall be open to inspection by the sanctioning authority / audit whenever the institute is called upon to do so.

11. The institute will furnish to the SERB, Utilization certificate(separate for Recurring & Non-Recurring) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. After completion of the project unspent balance if any should be returned as Demand Draft drawn in favour of "Fund for Science and Engineering Research" payable at New Delhi.

13. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

14. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.

(Dr. Thangaradjou T) Scientist E msls@serb.gov.in

To, Under Secretary SERB, New Delhi

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate,
2.	Delhi-110002 Sanction Folder, SERB , New Delhi.
3.	File Copy
4.	Dr. Santanu Rana Zoology Raja Peary Mohan College , P.o. uttarpara. district hooghly, Hooghly, West bengal-712258 Email: rana.santanu@gmail.com Mobile: 919831802169
5.	Principal, Raja Peary Mohan College, P.O. Uttarpara. District Hooghly

(Dr. Thangaradjou T) Scientist E msls@serb.gov.in

Science and Engineering Research Board 3rd & 4th Floor, Block II Technology Bhavan, New Mehrauli Road New Delhi - 110016

Dated: 07-Mar-2022

<u>ORDER</u>

Subject: Research project entitled "**Translational of molecular mechanism underlying circulating mitochondrial DNA release during cardiac pathological hypertrophy towards therapy of the myocardium**" under the guidance of Dr. Santanu Rana, Zoology, Raja Peary Mohan College , P.o. uttarpara. district hooghly, Hooghly, West bengal-712258.

1. This is in continuation of SERB's sanction order No. "ECR/2018/001901" dated "19 November, 2019 " of **Science and Engineering Research Board (SERB**).

2. Sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 400000/-** (Rupees Four Lakh only) under 'Grants-in-aid General' to **Principal, Raja Peary Mohan College, P.O. Uttarpara. District Hooghly** being the 4th grant for the financial year 2021-2022 for implementation of the above said project.

3. Sanction of the competent authority is also accorded to the carry forward of unspent balance of **Rs. 20278/-**(Rupees Twenty Thousand Two Hundred and Seventy Eight only) (Recurring Rs. 19433 and Non-Recurring Rs. 845) to Raja Peary Mohan College, P.O. Uttarpara. District Hooghly from FY 2020-2021 to FY 2021-2022 for the same purpose for which it was sanctioned.

4. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in).

5. It is certified that provision of GFR 212 relating to Utilization Certificates (Ucs) for the funds released under the grant have been satisfied and the UC/s is/are enclosed herewith.

6. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER) This release is being made under Early Career Research Award. (EC Life Sciences) (GEN).**

7. The Sanction has been issued to Raja Peary Mohan College, P.O. Uttarpara. District Hooghly with the approval of the competent authority under delegated powers on **04 March**, **2022** and vide Diary No. **SERB/F/9774/2021-2022** dated **07 March**, **2022**

8. The release amount of **Rs. 400000/-** (Rupees Four Lakh only) (Recurring Rs. 400000 and Non-Recurring Rs. 0) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	RPMC
Account Name	RAJA PEARY MOHAN COLLEGE-DST BOO
Account Number	50100350006541
Bank Name & Branch	HDFC 81A, Joy Krishna St, Kotrung, Uttarpara, West Bengal 712258
IFSC/RTGS Code	HDFC0004335
Email id of A/C Holder	rajapearymohancollege@gmail.com
Email id of PI	rana.santanu@gmail.com

9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

10. As per rule 211 of GFR the accounts of Grantee Institution shall be open to inspection by the sanctioning authority / audit whenever the institute is called upon to do so.

11. The institute will furnish to the SERB, Utilization certificate(separate for Recurring & Non-Recurring) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. After completion of the project unspent balance if any should be returned as Demand Draft drawn in favour of "Fund for Science and Engineering Research" payable at New Delhi.

13. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST),

Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

14. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.

(Dr. Pramod Kumar Prasad) Scientist-D pk.prasad@serb.gov.in

To, Under Secretary SERB, New Delhi Copy forwarded for information and necessary action to: -

The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
Sanction Folder, SERB , New Delhi.
File Copy
Dr. Santanu Rana Zoology Raja Peary Mohan College , P.o. uttarpara. district hooghly, Hooghly, West bengal-712258 Email: rana.santanu@gmail.com Mobile: 919831802169
Principal, Raja Peary Mohan College, P.O. Uttarpara. District Hooghly

(Dr. Pramod Kumar Prasad) Scientist-D pk.prasad@serb.gov.in

Science and Engineering Research Board 3rd & 4th Floor, Block II Technology Bhavan, New Mehrauli Road New Delhi - 110016

Dated: 14-Jun-2022

ORDER

Subject: Research project entitled **"Translational of molecular mechanism underlying circulating mitochondrial DNA release during cardiac pathological hypertrophy towards therapy of the myocardium"** under the guidance of Dr. Santanu Rana, Zoology, Raja Peary Mohan College , P.o. uttarpara. district hooghly, Hooghly, West bengal-712258.

1. This is in continuation of SERB's sanction order No. "ECR/2018/001901" dated "19 November, 2019 " of Science and Engineering Research Board (SERB).

2. Sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 400000/-** (Rupees Four Lakh only) under 'Grants-in-aid General' to **Principal, Raja Peary Mohan College, P.O. Uttarpara. District Hooghly** being the 5th grant for the financial year 2022-2023 for implementation of the above said project.

3. Sanction of the competent authority is also accorded to the carry forward of unspent balance of **Rs. 29458/-**(Rupees Twenty Nine Thousand Four Hundred and Fifty Eight only) (Recurring Rs. 28613 and Non-Recurring Rs. 845) to Raja Peary Mohan College, P.O. Uttarpara. District Hooghly from FY 2021-2022 to FY 2022-2023 for the same purpose for which it was sanctioned.

4. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in).

5. It is certified that provision of GFR 212 relating to Utilization Certificates (Ucs) for the funds released under the grant have been satisfied and the UC/s is/are enclosed herewith.

6. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER) This release is being made under Early Career Research Award. (EC Life Sciences) (GEN).**

7. The Sanction has been issued to Raja Peary Mohan College, P.O. Uttarpara. District Hooghly with the approval of the competent authority under delegated powers on **09 June, 2022** and vide Diary No. **SERB/F/1559/2022-2023** dated **13 June, 2022**

8. The release amount of **Rs. 400000/-** (Rupees Four Lakh only) (Recurring Rs. 400000 and Non-Recurring Rs. 0) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	RPMC
Account Name	RAJA PEARY MOHAN COLLEGE-DST BOO
Account Number	50100350006541
Bank Name & Branch	HDFC 81A, Joy Krishna St, Kotrung, Uttarpara, West Bengal 712258
IFSC/RTGS Code	HDFC0004335
Email id of A/C Holder	rajapearymohancollege@gmail.com
Email id of PI	rana.santanu@gmail.com

9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

10. As per rule 211 of GFR the accounts of Grantee Institution shall be open to inspection by the sanctioning authority / audit whenever the institute is called upon to do so.

11. The institute will furnish to the SERB, Utilization certificate(separate for Recurring & Non-Recurring) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. After completion of the project unspent balance if any should be returned as Demand Draft drawn in favour of "Fund for Science and Engineering Research" payable at New Delhi.

13. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

14. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.

(Dr. Pramod Kumar Prasad) Scientist-D pk.prasad@serb.gov.in

То,
Under Secretary
SERB, New Delhi

1.	Copy forwarded for information and necessary action to: - The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB , New Delhi.
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5.	Principal, Raja Peary Mohan College, P.O. Uttarpara. District Hooghly

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(Dr. Pramod Kumar Prasad) Scientist-D pk.prasad@serb.gov.in