

NES RATNAM COLLEGE OF ARTS, SCIENCE & COMMERCE, BHADUP (W)

MUMBAI – 400078, MAHARASHTRA

DBT- STAR STATUS SCHEME

(2020-21 to 2022- 2023)

ASSETS ACQUIRED

out of NON- RECURRING GRANT

Amount sanctioned to 5 Science Departments (Botany, Zoology,
Physics, Chemistry & Mathematics)

Amount sanctioned for Non-Recurring grant: Rs.75, 00,000/-

Assets Acquired Format

Assets acquired wholly or substantially out of Govt. grant Register to be maintained by Grantee Institution

Name of the Sanctioning Authority: **Department of Biotechnology, MHRD.**

1.S. No.: **BT/HRD/11/ 014 /2017**

2. Name of the Grantee Institution: **N.E.S Ratnam College of Arts, Science & Commerce**

3. No. & Date of Sanction order:

i) **San.No.102/ IFD/ SAN/3087/2020-21 dated 22.03.2021(s.no. -)**

ii) **San.No.102/ IFD/ SAN/3088/2020-21 dated 22.03.2021(s.no. -)**

iii) **San.No.102/ IFD/ SAN/104/2021-22 dated 28.05.2021(s.no.1)**

iv) **San.No.102/ IFD/ SAN/105/2021-22 dated 28.05.2021(s.no.2)**

4. Amount of the sanctioned grant (Under NR head):**Rs.75,00,000/-**

5. Brief purpose of grant:**For strengthening Life Science and Biotechnology Education and training at Undergraduate level under Star Status Award**

6. Whether any condition regarding the right of ownership of Govt. in the property or other assets acquired out of the grant was incorporated in the grant-in-aid sanction order: **No**

7. Particulars of assets actually created or acquired: **Department wise Assets Acquired Attached (Botany, Zoology, Chemistry, Physics, Mathematics)**

8. Value of the Assets as on (Date) **31.03.2023** : (Value) **100 %**

9. Purpose for which utilised at present: **For DBT -Star Status Award - Strengthening of Life Science and Biotechnology Education and training at Undergraduate level**

10. Encumbered or not: **Not**

11. Reasons, if encumbered: **N.A**

12. Disposed of or not: **NO**

13. Reasons and authority, if any for disposal: **N.A**

14. Amount realised on disposal:**N.A**

15. Remarks: ---

Sunita Chahar
25/7/23

(PROJECT INVESTIGATOR)
Dr. Sunita Chahar
DBT-Star College Scheme
Coordinator

NES Ratnam College of Arts, Science & Commerce
Bhandup (W), Mumbai - 78.

Jesur
25/07/23

(FINANCE OFFICER/CHARTERED ACCOUNTANT)

UDIN 23167672BG4SV47697

g/h
Shubh

(HEAD OF THE INSTITUTE)

N.E.S. Ratnam College of Arts, Sci, & Com
Bhandup (W), Mumbai- 400 078



NES RATNAM COLLEGE OF ARTS, SCIENCE & COMMERCE, BHANDUP (WEST), MUMBAI-400078

ASSETS ACQUIRED UNDER DBT 2021-2023

Details of Equipment Procured - During the Period (2021 - 2023) As on 31.03.2023

Name of the Department: **BOTANY**

S. No.	Name of the Equipment	Unit Cost (Rupees)	Number of Units	Actual Cost (factual figure, not in lakh) (In Rupees)	Date of Placing Order	Date of Receiving Equipment	Remark/Payment Voucher No. with Date (Copy of Payment Voucher may please be enclosed)
1.	Electrophoresis Apparatus and Power Supply	38,940/-	02	38,940/-	05.10.21	15.11.2021	C112113168899 15.11.2021 Approved 01 unit but in the same budget 2 units have been purchased along with 2 Micropipettes
2.	Rotary Shaker	18,880/-	01	18,880/-	28.09.21	10.11.2021	C122104212166 6.12.2021
3.	Colorimeter	11,210/-	01	11,210/-	28.09.21	3.12.2021	C122123818393 13.12.2021
4.	Ultra slim Magnetic stirrer	11,534/-	01	11,534/-	28.9.21	06.12.2021	C012239720288 18.01.2022
5.	Flame Photometer	42,480/-	01	42,480/-	17.12.21	11.02.2022	C022248268699 23.02.2022
6.	Colony Counter	5,664/-	01	5,664/-	17.12.21	11.02.2022	C022248268699 23.02.2022
7.	Autoclave	26,692/-	01	26,692/-	17.12.21	11.02.2022	C022248268699 23.02.2022
8.	Computer (CPU, Monitor, key board & optical mouse set , webcam	55,047/-	01	55,047	21.02.22	25.02.2022	C032201717157 04.03.2022

	and speaker)						
9	Laminar Airflow	64,900/-	01	64,900/-	21.01.22	15.03.2022	C042210274154 07.04.2022
10	Compound Microscope Trinocular	76,228/-	01	76,228/-	04.03.22	21.03.2022	C042210274814 07.04.2022
11	Refrigerated Centrifuge	2,98,999/-	01	2,98,999/-	04.02.22	11.03.2022	C042234131846 18.04.2022
12	Binocular compound Microscope	76,700/-	01	76,700/-	31.01.22	11.03.2022	C042234132697 18.04.2022 Binocular approved but in the same budget Trinocular Microscope has been purchased
13	Stereo Zoom Trinocular Microscope	66,899	01	66,899	31.01.22	11.03.2022	C042234132697 18.04.2022
14	Distillation Unit	85,999/-	01	85,999/-	31.01.22	11.03.2022	C042234132697 18.04.2022
15	Weighing Balance	30,208/-	01	30,208/-	31.01.22	11.03.2022	C042234132697 18.04.2022
16	PCR Machine	2,77,300/-	01	2,77,300/-	31.01.22	11.04.2022	C042240886591 21.04.2022
17	Thermal Dry Block	35,105/-	01	35,105/-	05.03.22	05.05.2022	C05222873147 12.05.2022
18	Cell Homogenizer	45,135/-	01	45,135/-	05.03.22	05.05.2022	C05222873147 12.05.2022
19	Student Microscope	4,484/-	10	44,840/-	26.04.22	04.05.2022	C052264152787-03.06.2022 *As the price had increased so 10 microscopes were purchased in place of 12 microscope. in

							the same budget.
20	Filtration Assembly with Suction pump	12,532/-	01	12,532/-	26.04.22	04.05.2022	C052264155415 03.06.2022 As the prices had increased by the time order was placed , so filtration assembly and suction pump was going out of the budget.Hence filtration assembly was not purchased, only suction pump was purchased. (* The Algal projects are carried out with the old filtration assembly present in the department by using the new suction pump, as earlier water suction pump was used).
21	Double Door Refrigerator	44,990/-	01	44,990/-	26.04.22	12.05.2022	C052232755917 18.05.2022
22	Mini Centrifuge	12,036/-	01	12,036/-	23.06.22	27.06.2022	C062247425512 01.07.2022 (Not in the initial approved list, This is in the change of equipment list)
23	Microwave Oven	4950/-	01	4950/-	04.07.22	09.07.2022	C072225556785 14.07.2022 (Not in the initial approved list, This is in the change of equipment list)
24	Student LCD Microscope	29,500/-	02	59,000/-	23.06.22	25.08.2022	Chq.No.819652 22.11.2022 *2 Microscopes were purchased in the same budget. There was Error in the change of equipment asked. – quantity was 2, but by mistake it was typed as 1.

							This is in the change of equipment list)
25	Magnetic Stirrer	19,824/-	02	39,648/-	23.06.22	27.07.2022	Chq.No.066731 22.11.2022 (Not in the initial approved list, This is in the change of equipment list)
26	pH meter	12,390/-	01	12,390/-	23.06.22	27.07.2022	Chq.No.066731 22.11.2022 (Not in the initial approved list, This is in the change of equipment list)
27	Refractometer	1499/-	01	1499/-	09.07.22	09.07.2022	Chq. No.819653 22.11.2022 (Not in the initial approved list, This is in the change of equipment list)
			Total	14,99,805/-	Balance		
					Rs.195/-		

Mamta Yadav

SIGNATURE OF DEPT. COORDINATOR

J. Sanyal

SIGNATURE OF FINANCE OFFICER

[Signature]

SIGNATURE OF CHARTERED ACCOUNTANT

Sunita Chahar

Dr. Sunita Chahar
Coordinator
NES Ratnam College of Arts, Science & Commerce
Bhandup (W), Mumbai - 78.

Dr. Sunita Chahar
Coordinator
NES Ratnam College of Arts, Science & Commerce
Bhandup (W), Mumbai - 78.

[Signature]

PRINCIPAL
NES Ratnam College of Arts, Science & Commerce
Bhandup (W), Mumbai- 400 078

[Signature]



UDIN 23167672BG4YSVY7697

NES RATNAM COLLEGE OF ARTS, SCIENCE & COMMERCE, BHANDUP (WEST), MUMBAI-400078

ASSETS ACQUIRED UNDER DBT 2021-2023

Details of Equipment Procured - During the Period (2021 - 2023) As on 31.03.2023

Name of the Department: **ZOOLOGY**

S. No.	Name of Equipment	Unit Cost	Number of Units	Actual Cost (factual figure, not in lakh)	Date of Placing Order	Date of Receiving Equipment	Remark/Payment Voucher No. with Date (Copy of Payment Voucher may please be enclosed)
1.	Helic ABT Reader- Automatic	3,00000/-	01	3,00,000/-	16.10.2021	28.10.2021	C012238513270 18/01/2022
2.	Horizontal Electrophoresis Vertical Electrophoresis	11514/- 10063/-	02 02	43154.96/-	21.10.2021	10.11.2021	C112113147508 15/11/2021 Only Electrophoresis units were purchased. Power supply was not purchased.
3.	UV Transilluminator.	18868/-	01	18868.20/-	21.10.2021	10.11.2021	C112113147508 15/11/2021
				62,023.16/- ≈60,023/-			
4.	Mini cell homogenizer	45,135/-	01	45,135/-	16.12.2021	12.03.2022	C042210277446 07/04/2022
5.	Stereo Zoom trinocular Microscope	73,042/-	01	73,042/-	16.12.2021	28.01.2022	C022241781088 17/02/2022
6.	Immunoturbidimetry	70,500/-	01	70,500/-	08.02.2020	10.03.2022	C032241883274 17/03/2022
7.	Thermal cycler PCR Machine	2,77,300/-	01	2,77,300/-	16.12.2021	26.04.2022	C042245101106 27/04/2022
8.	High speed Cold Centrifuge	298998/-	01	2,98,998/-	16.12.2021	11.03.2022	C062222019125 17/06/2022
9.	Compound Trinocular &	1,44900/-	01	1,44900/-	16.12.2021	11.03.2022	C062222019125

	Phase Contrast Microscope						17/06/2022
10.	Ultra slim Magnetic stirrer	8260/-	01	8260/-	29.07.2022	06.09.2022	Cheque payment:- 819654 22/11/22
11.	UV – VIS Double beam spectrophotometer	219740/-	01	219740/-	29.07.2022	06.09.2022	Cheque payment :- 819654 22/11/2022
			Total	14,99,898/-			Balance: Rs.102/-

Heena...
08/07/23

SIGNATURE OF DEPT. COORDINATOR

J. Sharma

SIGNATURE OF FINANCE OFFICER

Joshi
25/07/23

SIGNATURE OF CHARTERED ACCOUNTANT

UDIN23167672BGTYSVY7697

Sunita Chahar

Dr. Sunita Chahar
SIGNATURE OF OVERALL COORDINATOR
DBT-Star College Scheme
Coordinator
NES Ratnam College of Arts, Science & Commerce
Bhandup (W), Mumbai - 78.

Jc Dhruv

PRINCIPAL
SIGNATURE OF HEAD OF INSTITUTE
N.E.S. Ratnam College of Arts, Sci, & Com,
Bhandup (W), Mumbai- 400 078



NES RATNAM COLLEGE OF ARTS, SCIENCE & COMMERCE, BHANDUP (WEST), MUMBAI-400078

ASSETS ACQUIRED UNDER DBT 2021-2023

Details of Equipment Procured - During the Period (2021 - 2023) As on 31.03.2023

Name of the Department: **CHEMISTRY**

Sr. No	Name of Equipment	Unit Cost	Number of Units	Actual Cost (factual figure, not in lakh)	Date of Placing Order	Date of Receiving Equipment	Payment Voucher No. with Date (Copy of Payment Voucher may please be enclosed)
1	Rotary Evaporator + Water Circulating Pump	129027	1	129027	06-09-2021	23-10-2021	C112124394425
							19.11.2021
2	Digital Oven	40120	1	40120	06-09-2021	23-10-2021	C112124394425
							19.11.2021
3	Muffle Furnace	27140	1	27140	06-09-2021	23-10-2021	C112124394425
							19.11.2021
4	Electric Digital Balance	31506	2	63012	06-09-2021	29-10-2021	C112124394425-19.11.2021
							Ordered one extra as student strength were more in 2021-2022 and required for practical experiments, additional experiments and projects
5	Flame Photometer	64546	1	64546	06-09-2021	23-10-2021	C112124394425
							19.11.2021
6	UV- VIS Spectrophotometer Double Beam	277477	1	277477	06-09-2021	29-10-2021	C112124394425-19.11.2021
							Ordered with software and computer

7	High Speed Laboratory Centrifuge	103191	1	103191	06-09-2021	29-10-2021	C112124394425-19.11.2021
							The Research Centrifuge machine, Model No R -24 had better and superior salient features compared to the laboratory Centrifuge machine like Speed (rpm),accuracy , capacity
8	Digital Photoflorimeter	79886	1	79886	06-09-2021	29-10-2021	C112124394425-19.11.2021
							Company which gave quotation (Rs 65018) didn't have stock so purchased from Equiptronics with a slightly higher price
9	Melting Point Apparatus	32804	1	32804	06-09-2021	29-10-2021	C112124394425
							19.11.2021
10	Colorimeter	10030	2	20060	06-09-2021	23-10-2021	C112124394425--19.11.2021
		13083	1	13083	13-09-2022	17-09-2022	Cheque No-819655--22.11.2022
11	pH Meter	10030	2	20060	06-09-2021	23-10-2021	C112124394425--19.11.2021
		12532	1	12532	13-09-2022	17-09-2022	Cheque No-819655--22.11.2022
12	Conductometer	10266	2	20532	06-09-2021	23-10-2021	C112124394425--19.11.2021
		12850	1	12850	13-09-2022	17-09-2022	Cheque No-819655--22.11.2022
13	Potentiometer	9912	2	19824	06-09-2021	23-10-2021	C112124394425--19.11.2021
		11066	1	11066	13-09-2022	17-09-2022	Cheque No-819655--22.11.2022
14	Remi Overhead Stirrer	17700	1	17700	06-09-2021	29-10-2021	C112124394425-19.11.2021
							Company which gave quotation (Rs 12,591) didn't have the item so purchased from Remi with a slightly higher price
15	Vacuum Pump	37642	2	75284	06-09-2021	23-10-2021	C112124394425
							19.11.2021

16	Test Sieves Brass Frame Without Joint & S-S Cloth	29028	29	29028	06-09-2021	29-10-2021	C112124394425-19.11.2021 (Proposed-06) A whole set has been purchased as synthesis of nano particles by various chemical method required separation of particles of various sizes by using of various sieve
17	Soxhlet Extractor	10903	1	10903	06-09-2021	29-10-2021	C112124394425 19.11.2021
18	Potentiostat	256803	1	256803	04-02-2022	12-03-2022	C032262597695 25.03.2022
19	Hollow filter Membrane + Pump	135700	1	135700	05-08-2022	14-09-2022	Cheque no-819656 22.11.2022
20	Remi Magnetic Stirrers with Hot Plate	11505	2	23010	13-09-2022	17-09-2022	Cheque No-819655 22.11/2022
21	Mortar and pestles (Ceramic)	1435	3	4305	13-09-2022	17-09-2022	Cheque No-819655 22.11/2022
			Total	1499943			Balance-Rs.57/-

Sheba Kingley

SIGNATURE OF DEPT. COORDINATOR

J. Suman

SIGNATURE OF FINANCE OFFICER

Shree
25/07/23

SIGNATURE OF CHARTERED ACCOUNTANT

UDIN23167672BGYSVY7697

Sunita Chahar

Dr. Sunita Chahar

SIGNATURE OF OVERALL COORDINATOR

Coordinator
NES Ratnam College of Arts, Science & Commerce
Bhandup (W), Mumbai - 78.

g/c *Shree*
PRINCIPAL

SIGNATURE OF HEAD OF INSTITUTE
S.N.S. Ratnam College of Arts, Sci, & Com,
Bhandup (W), Mumbai- 400 078



NES RATNAM COLLEGE OF ARTS, SCIENCE & COMMERCE, BHANDUP (WEST), MUMBAI-400078

ASSETS ACQUIRED UNDER DBT 2021-2023

Details of Equipment Procured - During the Period (2021 - 2023) As on 31.03.2023

Name of the Department: **PHYSICS**

S. No.	Name of Equipment	Unit Cost	Number of Units	Actual Cost (factual figure, not in lakh)	Date of Placing Order	Date of Receiving Equipment	Remark/Payment Voucher No. with Date (Copy of Payment Voucher may please be enclosed)
1	UV Visible Spectrophotometer single beam with software	118,000.00	1	118,000.00	23.08.21	15.09.21	C092120759280 - 15.09.21
2	Telescope	14,400.00	1	14,400.00	27.08.21	15.09.21	C092100656049 - 03.09.21
3	Spin Coater Semi-Automatic	100,850.00	1	100,850.00	6.09.21	6.10.21	C102116150110 - 08.10.21
4	Weighing Balance 5 Digit	101,244.00	1	101,244.00	22.09.21	11.10.21	C102121266794 - 16.10.21
5	Vacuum pump	11,328.00	1	11,328.00	13.11.21	23.11.21	C112136738961 - 24.11.21
6	Hosting of LMS	90,000.00	1	90,000.00	11.10.21	17.12.21	C122127391087 - 17.12.21
7	LMS Cloud Server Space	60,000.00	1	60,000.00	11.10.21	17.12.21	C122127391087 - 17.12.21, Cheque No.066725 dated-17/12/21
8	Magnetic Stirrer with temperature variation	10,620.00	1	10,620.00	15.01.22	08.02.22	C022248266804 - 23.02.22
9	Measurement of Di electric	38,301.00	1	38,301.00	10.12.21	11.02.22	C0222482265274 - 23.02.22

	constant						
10	Experimental set up of Milkman's oil drop	57,181.00	1	57,181.00	10.12.21	11.02.22	C0222482265274 - 23.02.22
11	Franck Hertz Experiment	50,101.00	1	50,101.00	10.12.21	11.02.22	C0222482265274 - 23.02.22
12	Magnetic Field set up	30,356.00	1	30,356.00	10.03.22	26.03.22	C042210281639 - 07.04.22
13	Cathode Ray Oscilloscope	29,500.00	3	88,500.00	24.06.22	27.06.22	C062245611687 - 30.06.22
14	Display Unit with Peripherals for Physics Wall Magazine	94,000.00	1	94,000.00	9.08.22	24.08.22	819651 - 22.11.22
15	PCs with peripherals & Internet facility (3 PCs, Mouse and moniter,)Printer) (Enhancement of Teaching-Learning Process in the classroom) (Eyeris Pro series, White board, HDMI Chord & Ceiling mount kit)	111,333.00	3	111,333.00	19.09.22	24.09.22	819657 - 22.11.22
		52,510.00	1	52,510.00	19.09.22	20.09.22	066733 - 22.11.22
16	Data logger - data /image capturing with computer interface 1PC for data logger	12,390.00	1	12,390.00	1.08.22	19.09.22	066735 - 22.11.22
		35,150.00	1	35,150.00	19.09.22	24.09.22	819657 - 22.11.22
17	Technology to Record lectures (Multimedia set up) (1PC ,mike & speaker)	31,858.00	1	31,858.00	19.09.22	24.09.22	819657 - 22.11.22
18	Enhancement of Teaching-Learning Process in the classroom	69,029.00	1	69,029.00	19.09.22	24.09.22	819657 - 22.11.22

	(Laser pointer, projector & Wacom with headphone)						
19	Coulomb's apparatus	28,320.00	1	28,320.00	01.11.22	16.11.22	819661 / 819670 - 5.12.22 / 11.01.23
20	Desktop Computer & Printer	33,630.00	1	33,630.00	1.11.22	18.11.22	271708 (Rs. 23,760) / 280076 (Rs. 9,870 from Rs. 23,760)- 9.12.2022 / 10.01.23 The payment was made from College account and not from DBT account due to technical issues
21	Hologram for 3D projection	236,300.00	1	236,300.00	21.11.22	30.11.22	819662 - 5.12.22 819667 - 15.12.22
22	Software for interactive physics concepts	24,500.00	1	24,500.00	26.07.22	22.07.22	819666 - 15.12.22
			TOTAL	Rs. 14,99,901.00		Balance = Rs. 99/-	

Adings
8/11/23

SIGNATURE OF DEPT. COORDINATOR

J. J. J. J.

SIGNATURE OF FINANCE OFFICER

Jesona
25/10/23

SIGNATURE OF CHARTERED ACCOUNTANT

UDIN23167672B645V47697

Sunita Chahal

SIGNATURE OF CENTRAL COORDINATOR

DBT-Star College Scheme
Coordinator

NES Ratnam College of Arts, Science & Commerce
Bhandup (W), Mumbai - 78.

Jc
PRINCIPAL

SIGNATURE OF HEAD OF INSTITUTE

N.E.S. Ratnam College of Arts, Sci. & Com.
Bhandup (W), Mumbai- 400 078



NES RATNAM COLLEGE OF ARTS, SCIENCE & COMMERCE, BHANDUP (WEST), MUMBAI-400078

ASSETS ACQUIRED UNDER DBT 2021-2023

Details of Equipment Procured - During the Period (2021 - 2023) As on 31.03.2023

Name of the Department: **MATHEMATICS**

S. No	Name of Equipment	Unit Cost	Number of Units	Actual Cost (factual figure, not in lakh)	Date of Placing Order	Date of Receiving Equipment	Remark/Payment Voucher No. with Date (Copy of Payment Voucher may please be enclosed)
1.	SPSS v27.0 (10 authorised users on Network) Base module SPSS v27.0 (10 authorised users on Network) Module Decision Trees SPSS v27.0 (10 authorised users on Network) Regression module SPSS v27.0 (10 authorised users on Network) Module-Forecasting Total- SPSS	Rs 1,40,425/- Rs 75,638/- Rs 77,980/- Rs 75,638/- Rs 3,69,682/	1	3,69,682/-	5/2/21	22/10/21	3/9/21 Voucher number C092100655600
2.	Interactive flat panel board(Android + Windows)65 inch	Rs	1	1,74,050/-	21/09/2021	16/10/2021	11/10/21

							C102117670962
3.	Portable Basic Plug-in and Play Studio classroom for E-content development	Rs 1,47,500	1	1,47,500/-	21/09/2021	19/10/2021	11/10/21 Voucher number C102117670962
4.	All in one PC's- AMD- Ryzen 5,1 TB hard disk, 8 GB RAM, 10 th gen	Rs, 58,500	12	7,02,000/-	16/06/2022	21/06/2022	30-06-2022 Voucher number C062242579493
5.	Desktop computer - I-3	Rs 36,500	2	73,000/-	27-06-2022	01-07-2022	08-07-2022 Voucher number C072214496198
6.	Digital Multifunctional printer -HP LaserJet 136NW Printer	18,500/-	1	18,500/-	13-08-2022	18-08-2022	15-12-2022 ch no-819665
7.	Printer Laser	15,265/-	1	15,265/-	20-09-2022	15-09-2022	22-11-2022 ch-no-819658
Total				14,99,997/-	Balance	Rs.3/-	

B.K.
SIGNATURE OF DEPT COORDINATOR

T. Sharma
SIGNATURE OF FINANCE OFFICER

S. S. (07/22)
SIGNATURE OF CHARTERED ACCOUNTANT

Sumita Chohan
SIGNATURE OF OVERALL COORDINATOR
DBT-Star College Scheme
Coordinator
NES Ratnam College of Arts, Science & Commerce
Bhandup (W), Mumbai - 78.

g/c Dhruv
SIGNATURE OF HEAD OF INSTITUTE
N.E.S. Ratnam College of Arts, Sci, & Com
Bhandup (W), Mumbai- 400 078



UDIN23167672-BG4SVY7697