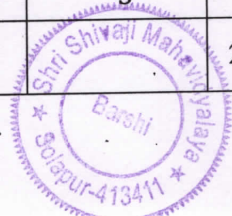


Assets acquired wholly substantially out of Govt. grants Register to be maintained by grantee Institution(2017-18 & 2018-19)

- Name of the Sanctioning Authority : Department of Biotechnology, Star College Scheme
1. Sl. No. :22
2. Name of Grantee Institution : Shri Shivaji Mahavidyalaya Barshi
3. No. & Date of sanction order :BT/HRD/11/015/2017 Dated 25/05/2017
4. Amount of the sanctioned grant : 30 Lakhs (Non-recurring) + 12 lakhs (recurring) + 3 lakhs (Travel)
5. Brief purpose of the Grant : DBT Star College Scheme
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 :Yes
7. Particulars of assets actually credited or acquired

Chemistry

Sr.No	Name of the Equipment	Number	Cost	Date of purchase	Remarks
1	Conductivity Meter EQ-665	6	62304	30/12/2017	Purchased and installed
2	P ^H - Meter EQ-615	4	41536	30/12/2017	Purchased and installed
3	Colorimeter EQ-651	4	43613	30/12/2017	Purchased and installed
4	Potentiometer EQ-606	3	22429	30/12/2017	Purchased and installed
5	Polarimeter EQ-801	3	102802	30/12/2017	Purchased and installed
6	Distillation Plant	1	28494	30/12/2017	Purchased and installed
7	Distillation plant Battery	1	9780	30/12/2017	Purchased and installed
8	Refractometer	2	27140	30/12/2017	Purchased and installed
9	Digital Balance with battery	3	84079	30/12/2017	Purchased and installed
10	Thermostat 24 hole	3	20376	30/12/2017	Purchased and installed



		1			
11	Vacuum Pump	2	12532	30/12/2017	Purchased and installed
12	Calomel Electrode	4	2492	30/12/2017	Purchased and installed
13	Platinum Electrode	6	8723	30/12/2017	Purchased and installed
14	Copper Electrode	8	2908	30/12/2017	Purchased and installed
15	Zinc Electrode	8	2908	30/12/2017	Purchased and installed
16	Combined Electrode	2	2492	30/12/2017	Purchased and installed
17	Conductivity Cell	3	6230	30/12/2017	Purchased and installed
18	Quartz for Distillation Unit	1	4540	30/12/2017	Purchased and installed
19	Desiccators	1	14862	30/12/2017	Purchased and installed
20	LCD projector	1	26300	25/11/2018	Purchased & installed
21	Wall Screen	2	4800	25/11/2018	Purchased & installed
22	Celling Mount Kit	2	1600	25/11/2018	Purchased & installed
Total Amount			532940		



Zoology

Sr.No	Name of the Equipment	Number	Cost	Date of purchase	Remarks
1	Camera lucida	01	897	11/01/2018	Purchased & installed
2	Digital ph meter(0-14ph)with unbreakable combined electrode table model	01	8708	11/01/2018	Purchased & installed
3	Dissolved oxygen meter 4-digit display with DO probe 0-100ppm,.1ppm accuracy	01	11682	11/01/2018	Purchased & installed
4	Electrophoresis Vertical Model Small For 3 Strips basic Unit With Platinum electrode assembly (2) Paper Supporting rods (2)& Power Cord	01	10089	11/01/2018	Purchased & installed
5	High precision laboratory balancesmodel:CAH-223,capacity:220gm.sensitivity:o.01 gm accuracy	01	29146	11/01/2018	Purchased & installed
6	Water bath thermostatic rectangular size:35*25*10cmrating watts 1000kw no of hole 06 hole completes ss	01	7080	11/01/2018	Purchased & installed
7	LM 521600 monocular microscope	20	199986	11/01/2018	Purchased & installed
8	LM-52-1711 LYNX digital microscope	01	90023	11/01/2018	Purchased & installed
9	Museum Jar	01	9742	19/11/2018	Purchased & installed
10	Peak Flowmeter	1	1738	19/11/2018	Purchased & installed
11	Vermi-composting bed	3	9683	19/11/2018	Purchased & installed
12	Revolutionary microbench centrifuge	1	51507	19/11/2018	Purchased & installed
13	Rotor Swing Out head	1	5723	19/11/2018	Purchased & installed
14	NiKKON Camaera	1	37248	19/11/2018	Purchased & installed
15	Rectangular Jar	4	16482	19/11/2018	Purchased & installed
16	LCD projector	1	26300	25/11/2018	Purchased & installed
17	Wall Screen	5	12000	25/11/2018	Purchased & installed
17	Celling Mount Kit	4	3200	25/11/2018	Purchased & installed
Total			531234/-		



(4)

Microbiology

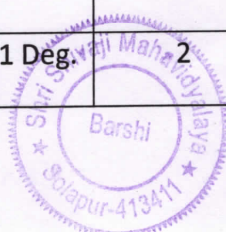
Sr.No	Name of the Equipment	Number	Cost	Date of purchase	Remarks
1	CAB5 Magazine Cabinet 20(Catlog no –CAB5)	01	16284	11/1/ 2018	Purchased & installed
2	Microscope(Model no LM -52 - 1602)	10	144998	26/2/ 2018	Purchased & installed
3	Mini Submarine Electrophoresis Unit,	01	15441	11/01/2018	Purchased & installed
4	pH Meter with built in magnetic stirrer and Electronic Buffer	01	8411	11/01/2018	Purchased & installed
5	Digital Photoelectric Colorimeter	01	11894	11/01/2018	Purchased & installed
6	Spectrophotometer	01	37489	11/01/2018	Purchased & installed
7	Rotary shaker with clamps and accessories	01	87084	11/01/2018	Purchased & installed
8	Precision Balance	01	22302	11/01/2018	Purchased & installed
9	Anaerobic culture Jar	01	10514	11/01/2018	Purchased & installed
10	U V Inspection Cabinet	01	7009	11/01/2018	Purchased & installed
11	Portable water analysis kit	01	30680	11/01/2018	Purchased & installed
12	Single Channel Variable Vol Pipette	03	12104	11/01/2018	Purchased & installed
13	Incubator	01	19824	3/11/2018	Purchased & installed
14	Mini Centrifuge	01	9440	3/11/2018	Purchased & installed
17	Distillation unit	01	28494	5/11/2018	Purchased & installed
15	Monocular Microscope	03	43499	25/11/2018	Purchased & installed
16	LCD Wall screen	01	3800	25/11/2018	Purchased & installed
Total Cost			509267		



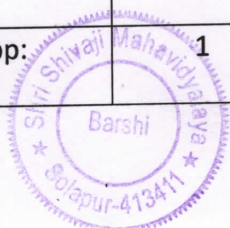
5

Physics

Sr.No	Name of the Equipment	Number	Cost	Date of purchase	Remarks
1	Digital Conductivity Meter Microprocessor Based with Cell k=1 and Accessories Conductivity Meter Direct reading 0.05M to 200m*/M EQ-660B Equiptronics	01	8815	09/01/2018	Purchased & installed
2	Tuning Fork	10	5190	09/01/2018	Purchased & installed
3	Sodium Lamp Transformer (55 w)	02	2338	09/01/2018	Purchased & installed
4	RS -JK Flip flop Kit	02	15168	09/01/2018	Purchased & installed
5	Ballistic Galvanometer 500 ohm.	02	14160	09/01/2018	Purchased & installed
6	CRO	01	25033	09/01/2018	Purchased & installed
7	SCR Fring Kit	01	32569	09/01/2018	Purchased & installed
8	Temperature Sensor (PTCR &NTCR)	01	16799	09/01/2018	Purchased & installed
9	Double refractive Prism	05	2822	09/01/2018	Purchased & installed
10	Digital electronic Balance (0.001 gm accuracy)	01	42000	09/01/2018	Purchased & installed
11	Hall Effect Set-up	01	24402	09/01/2018	Purchased & installed
12	Magnetic Stirrer	02	11800	09/01/2018	Purchased & installed
13	Four-Probe Set-up	01	50000	09/01/2018	Purchased & installed
14	Michelson's Interferometer-with micrometer eye piece	1	57,121	16/10/2018	Purchased & installed
15	Planks Constant App. (Photo Cell) Complete set with	1	16,549	16/10/2018	Purchased & installed
16	Solar Cell Characteristics with two Digital Meters	1	5,667	16/10/2018	Purchased & installed
17	Photo Diode Characteristics with two Digital Meters	1	3,861	16/10/2018	Purchased & installed
18	Energy gap of a Semi Conductor with Built in power supply	1	4,965	16/10/2018	Purchased & installed
19	Stefan's Radiation Constant app. Leak Proof dome wooden	1	12,537	16/10/2018	Purchased & installed
20	Thermocople - Copper - Constantan	1	351	16/10/2018	Purchased & installed
21	Steam Boiler - Copper spun jointless base with	1	2,457	16/10/2018	Purchased & installed
22	Thermometer -10 to 110 1/1 Deg.	2	301	16/10/2018	Purchased & installed



23	Temperature Indicator	1	4,263	16/10/2018	Purchased & installed
24	Rubber Tube –Pressure tube. Permt.	3	451	16/10/2018	Purchased & installed
25	Beaker-Borosil 500 ml	1	150	16/10/2018	Purchased & installed
26	'Racer' Digital Stop watch-1/100 seconds	1	878	16/10/2018	Purchased & installed
27	Steam Boiler – Copper spun jointless base with	1	2,457	16/10/2018	Purchased & installed
28	Thermometer -10 to 110 1/1 Deg.	2	301	16/10/2018	Purchased & installed
29	Rubber Tube –Pressure tube. Permt.	3	451	16/10/2018	Purchased & installed
30	Beaker-Borosil 500 ml	1	150	16/10/2018	Purchased & installed
31	'Racer' Digital Stop watch-1/100 seconds	1	878	16/10/2018	Purchased & installed
32	Hysteresis curve app: 1mt. Long fully laminated ¾" thick bench with magnetometer compass, Rheostat, Commuataor, Plug Key, Battery Eliminator, Two Solonioids with rod, Ammeter.	1	13,541	16/10/2018	Purchased & installed
33	Stefan's law Black body Radiation Trainer Board	1	9,880	16/10/2018	Purchased & installed
34	Maxwell's Bridge with head phones	1	6,269	16/10/2018	Purchased & installed
35	Wein's Bridge with head phones	1	6,269	16/10/2018	Purchased & installed
36	Inverting & Non Inverting using Op-Amp	1	2,608	16/10/2018	Purchased & installed
37	Schmitt Tigger using Op-Amp	1	2,608	16/10/2018	Purchased & installed
38	Laser Diode Characteristics board with Three Digital	1	4,965	16/10/2018	Purchased & installed
39	Newton's Law of Cooling Apparatus	1	3,260	16/10/2018	Purchased & installed
40	Thermometer -10 to 110 1/1 Deg.	2	301	16/10/2018	Purchased & installed
41	Steam Boiler – Copper spun jointless base with	1	2,457	16/10/2018	Purchased & installed
42	Rubber Tube –Pressure tube. Permt.	2	301	16/10/2018	Purchased & installed
43	Tripod stand	8	376	16/10/2018	Purchased & installed
44	Z Coil Hot Plate – Heater	1	2,758	16/10/2018	Purchased & installed
45	Milikan's Oil drop expt. App: Fitted with short focus	1	31,043	16/10/2018	Purchased & installed



7

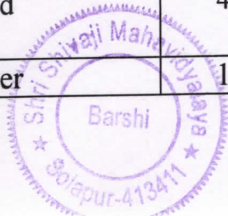
46	U J T Characteristics with two Digital meters	1	3,761	16/10/2018	Purchased & installed
47	Thermal Conductivity of Rubber tube Apparatus	1	3,460	16/10/2018	Purchased & installed
48	Epson EB-541 LCD Projector	1	26,300	16/10/2018	Purchased & installed
49	HP 1020 plus Printer	1	10,300	16/10/2018	Purchased & installed
50	Wall Screen 4x6	1	2,400	16/10/2018	Purchased & installed
51	Celling Mount Kit	3	2,400	16/10/2018	Purchased & installed
Total			500141		



8

Botany

Sr.No	Name of the Equipment	Number	Cost	Date of purchase	Remarks
1	LM 52504 Monocular Microscope	10	99993	11/01/2018	Purchased & installed
2	Trinocular Research Microscope	1	51920	11/01/2018	Purchased & installed
3	LM 50912/1 camera	1	94400	11/01/2018	Purchased & installed
4	LM 52 retina screen	1	18680	11/01/2018	Purchased & installed
5	Digital Spectrophotometer Vis(350-1100nm)With Digital Wavelength Read	1	47790	11/01/2018	Purchased & installed
6	High Precision Lab Balance	1	24575	11/01/2018	Purchased & installed
7	Hot Plate Rectangular	1	5065	11/01/2018	Purchased & installed
8	Calorimeter	1	10903	11/01/2018	Purchased & installed
9	Burette auto	1	4450	26/10/2018	Purchased & installed
10	Spirogyra veg.	1	1239	24/10/2018	Purchased & installed
11	Spirogyra conj.	1	1239	24/10/2018	Purchased & installed
12	Albugo conidal	1	1239	24/10/2018	Purchased & installed
13	Riccia veg	1	1239	24/10/2018	Purchased & installed
14	Riccia Anth	1	1593	24/10/2018	Purchased & installed
15	Riccia sporophytes	1	1593	24/10/2018	Purchased & installed
16	Selaginella	1	2066	24/10/2018	Purchased & installed
17	Bignonia	1	1770	24/10/2018	Purchased & installed
18	Herbarium, museum and craft microscope cabinet	1	99000	30/10/2018	Purchased & installed
19	Oven	1	14101	22/10/2018	Purchased & installed
20	Water bath	1	8260	22/10/2018	Purchased & installed
21	Pipette Stand	2	236	22/10/2018	Purchased & installed
22	Multi test tube stand	4	519	22/10/2018	Purchased & installed
23	HP 1020 Plus Printer	1	10300	25/11/2018	Purchased



9

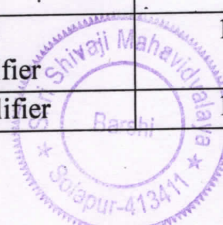
					& installed
24	LCD Mount Kit	2	1600	25/11/2018	Purchased & installed
25	Wall Screen 6*8	2	7600	25/11/2018	Purchased & installed
Total			511370		



10

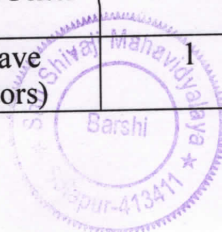
Electronics

Sr.No	Name of the Equipment	Number	Cost	Date of purchase	Remarks
1	7 th generation Dell Desktop Optilex 3050	1	43700	03/03/2018	Purchased & installed
2	HP- 1136 Print Scan Copy	1	13950	03/03/2018	Purchased & installed
3	Study of Frequency shift keyed	1	3776	22/12/2017	Purchased & installed
4	Study of PAM/PPM/PWM	1	6608	22/12/2017	Purchased & installed
5	Study of Fiber optic communication	1	10384	22/12/2017	Purchased & installed
6	Frequency to voltage converter(LM 331)	1	2360	22/12/2017	Purchased & installed
7	Voltage to frequency to converter(LM331)	1	2360	22/12/2017	Purchased & installed
8	DTMF Decoder	1	5664	22/12/2017	Purchased & installed
9	Study of NE 565 PLL	1	2360	22/12/2017	Purchased & installed
10	Frequency multiplier using PLL 565	1	2360	22/12/2017	Purchased & installed
11	Op-AMP as Inverting amplifier & Non inverting amplifier	1	2360	22/12/2017	Purchased & installed
12	Op-AMP as Adder & subtractor	1	2360	22/12/2017	Purchased & installed
13	Op-AMP as Schmitt' trigger	1	2360	22/12/2017	Purchased & installed
14	Op-AMP as DAC using R-2R Ladder	1	2360	22/12/2017	Purchased & installed
15	Op-AMP as temperature controller	1	2360	22/12/2017	Purchased & installed
16	Op-AMP parameters(part I&II)	1	2360	22/12/2017	Purchased & installed
17	Op-AMP as Integrator & Differentiator	1	2360	22/12/2017	Purchased & installed
18	Op-AMP as Wien's bridge oscillator	1	2360	22/12/2017	Purchased & installed
19	Op-AMP (LM324) as instrumentation amplifier	1	2360	22/12/2017	Purchased & installed
20	Op-AMP as log Amplifier	1	2360	22/12/2017	Purchased &



11

					installed
21	DC motor control using SCR	1	2832	22/12/2017	Purchased & installed
22	PCB prototype Making Machine – 1a. ETS – PCB MATE PCB Prototype making Machine (300 W) with Controller	1	100000	03/03/2018	Purchased & installed
23	Voltage Regulator using IC 317	1	2077	10/09/2018	Purchased & installed
24	One-Stage Transistor AF (CB/CE/CC) Amplifier	1	2077	10/09/2018	Purchased & installed
25	FET as an Amplifier	1	2077	10/09/2018	Purchased & installed
26	Emitter follower (I/P & O/P impedances)	1	2077	10/09/2018	Purchased & installed
27	Schmitt Trigger	1	2077	10/09/2018	Purchased & installed
28	Tuned RF/IF Amplifiers	1	2832	10/09/2018	Purchased & installed
29	Phase Shift Oscillator using Transistor	1	2077	10/09/2018	Purchased & installed
30	Colpitt's Oscillator using Transistor	1	2077	10/09/2018	Purchased & installed
31	Crystal Oscillator using Transistor	1	2077	10/09/2018	Purchased & installed
32	Hartely Oscillator using Transistor	1	2077	10/09/2018	Purchased & installed
33	Function (Wave-form) Generator using IC8038	1	2832	10/09/2018	Purchased & installed
34	IC-555 as a Astable Multivibrator	1	2077	10/09/2018	Purchased & installed
35	IC-555 as a Monostable Multivibrator	1	2077	10/09/2018	Purchased & installed
36	Astable Multivibrator using BJT	1	2077	10/09/2018	Purchased & installed
37	Monostable Multivibrator using BJT	1	2077	10/09/2018	Purchased & installed
38	Bistable Multivibrator using BJT	1	2077	10/09/2018	Purchased & installed
39	Schmitt Trigger by using Transistor	1	2077	10/09/2018	Purchased & installed
40	Monostable Multivibrator using 74121	1	2077	10/09/2018	Purchased & installed
41	Astable Multivibrator using gates	1	2077	10/09/2018	Purchased & installed
42	OP-AMP as Phase Shift Oscillator	1	2360	10/09/2018	Purchased & installed
43	OP-AMP as Band Pass Filter	1	2077	10/09/2018	Purchased & installed
44	OP-AMP as Square Wave Generator (Multivibrators)	1	2077	10/09/2018	Purchased & installed



12

45	OP-AMP as Voltage (V) to Current (I) converter (Ammeter)	1	2360	10/09/2018	Purchased & installed
46	OP-AMP as Current (I) to Voltage (V) Converter (Voltmeter)	1	2360	10/09/2018	Purchased & installed
47	Study of Multiplexer using IC 74153	1	2077	10/09/2018	Purchased & installed
48	Study of Demultiplexer using IC 74139/138	1	2077	10/09/2018	Purchased & installed
49	Study of Encoder using IC 74147	1	2077	10/09/2018	Purchased & installed
50	Decoder using IC 7447/7448	1	2077	10/09/2018	Purchased & installed
51	Decoder Counter using IC 7490	1	2077	10/09/2018	Purchased & installed
52	Construction of Half Adder & Full Adder using :Logic Gates	1	2360	10/09/2018	Purchased & installed
53	NAND/NOR as Universal Gate	1	2360	10/09/2018	Purchased & installed
54	Study of R-S.D.J.K Flip-Flop	1	2360	10/09/2018	Purchased & installed
55	BCD to Seven Segment Decoder	1	2077	10/09/2018	Purchased & installed
56	Study of ADC (ICO804)	1	2360	10/09/2018	Purchased & installed
57	Transistor Characteristics in CE/CB Mode	1	2077	10/09/2018	Purchased & installed
58	PWM based DC Moter Controller	1	2360	10/09/2018	Purchased & installed
59	Owon SDS1022 20MHz DSO	2	39648	10/09/2018	Purchased & installed
60	Frequency Generator Function Generator 2Mhz-Model-FG 2M	5	37760	10/09/2018	Purchased & installed
61	Owon SDS1022 20MHz DSO	1	19819	10/09/2018	Purchased & installed
62	Frequency Generator Function Generator 2Mhz-Model-FG2M	1	7552	10/09/2018	Purchased & installed
63	BS2 Patch cord 2mm Red		590	10/09/2018	Purchased & installed
64	BS2 Patch cord 2mm Black		590	10/09/2018	Purchased & installed
65	Study of Lotic Gate	1	3035	10/09/2018	Purchased & installed
66	Study of Demorgans Theorem	1	2218	10/09/2018	Purchased & installed
67	Study of Flip-Flops	1	3035	10/09/2018	Purchased & installed
68	Digital IC Trainer Model Digitech-3000.27, Make-	1	12154	10/09/2018	Purchased & installed



13

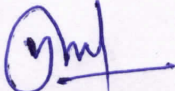
	Digitech				
69	Analog and Digital Electronics trainer, Model: Digitech. 3000.28 Make-Gigitech	1	12494	10/09/2018	Purchased & installed
70	HP 16 GB Pendrive	1	450	10/09/2018	Purchased & installed
71	Time division multiplexing TDM	1	4720	10/09/2018	Purchased & installed
72	Verification of Kirchoff's law	1	3304	10/09/2018	Purchased & installed
73	Thevenin's Theorem	1	3304	10/09/2018	Purchased & installed
74	Parallel resonance of LCR circuit	1	3304	10/09/2018	Purchased & installed
75	Maximum power transfer theorem	1	3304	10/09/2018	Purchased & installed
76	Super Position theorem	1	3304	10/09/2018	Purchased & installed
77	Series resonance of LCR circuit	1	3304	10/09/2018	Purchased & installed
78	P-N Junction diodes & Zener diode characteristics	1	3304	10/09/2018	Purchased & installed
79	FET Characteristics	1	3304	10/09/2018	Purchased & installed
80	SCR Characteristics	1	3304	10/09/2018	Purchased & installed
81	UJT Characteristics	1	3304	10/09/2018	Purchased & installed
82	Traic as Light dimmer /Fan regulator	1	3304	10/09/2018	Purchased & installed
83	Two port network Z&Y parameters	1	3304	10/09/2018	Purchased & installed
84	Study of LVDT	1	12272	10/09/2018	Purchased & installed
85	Frequency Modulation	1	5664	10/09/2018	Purchased & installed
86	LCD projector	1	26300	25/11/2018	Purchased & installed
87	Wall Screen	1	2400	25/11/2018	Purchased & installed
88	Celling Mount Kit	1	800	25/11/2018	Purchased & installed
Total			529649		



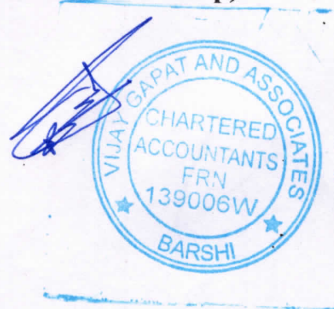
15

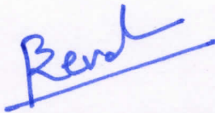
8	Value of the Assets as on	*31.14601 lakhs
9	Purpose for which utilized at present	For B. Sc. practicals
10	Encumbered or not	No
11	Reasons, if encumbered	Not applicable
12	Disposed of or not	Not applicable
13	Reasons and authority, if any for disposal	Not applicable
14	Amount released on disposal	Not applicable
15	Remarks	Due to DBT star college scheme, all B Sc students are benefitted a lot.

*The interest earned, Rs 1.25416, on DBT grants in 2017-18 has been utilized for non-recurring (Rs 0.87500), recurring (Rs 0.35000) and travel (Rs 0.02916). This interest amount of Rs 1.25416 has been re-appropriated by DBT through letter dated 22/07/2019.


 (PROJECT INVESTIGATOR)
 (With rubber stamp)
Co-Ordinator
DBT-Star College
Shri Shivaji Mahavidyalaya, Barshi

(FINANCE OFFICER)
 (With rubber stamp)




 (HEAD OF THE INSTITUTE)
 (With rubber stamp)
I/C. PRINCIPAL
Shri Shivaji Mahavidyalaya, Barshi



15