



SHAHAJIRAO PATIL VIKAS PRATISHTHAN'S
S.B.PATIL COLLEGE OF ENGINEERING, VANGALI, INDAPUR

DEPARTMENT OF MECHANICAL ENGINEERING
Lab Name: Metallurgy (List of Major Equipment)

Sr. No.	DSR No.	Name of Equipment	Specification	Date of Purchase	Qty.	Rate	Amount (RS.)
1	SPVP/SBPCOE/MECH/META/RHT/2010-11/01	Rockwell Hardness Tester Model - MRS	With standard accessories as per literature.	10/08/10	01	25,000/-	25,000/-
2	SPVP/SBPCOE/MECH/META/VHT/2010-11/01	Vickers Cum Brinell Hardness Tester	With standard accessories as per literature.	10/08/10	01	1,62,000/-	1,62,000/-
3	SPVP/SBPCOE/MECH/META/FDPK/2010-11/01	Fluorescent Dye Penetrant Kit	Fluorescent Penetrant, Cleaner spray, Developer spray type, Black light(U.V. Bulb), Reflector shade for U.V.with cables & lugs etc. Aluminum crack test piece for demo.	10/08/10	01	16,200/-	16,200/-
4	SPVP/SBPCOE/MECH/META/TMMM/2010-11/01	Trinocular Metallurgical Microscope Model SM-9 (with imported optics)	Ach. Objectives- M4x,M10x,M40x. Hue Eyepieces-10x widefield. Magnification -upto 400x, Filter-Green & Blue with built in 20W halogen Lamp.	10/08/10	01	36,000/-	36,000/-

5	SPVP/SBPCOE/MECH/ META/TMMCA/2010- 11/01	Trinocular Metallurgical Microscope with Computerized attachment	Microscope inclined 45, Large mech. Stage, co-axial arrangement. Optical arrg.-Ach. Objectives- M5x&M10x&M40x, Hui Eyepieces-WF10x, Magnification-upto 400x, computerized attct. With USB camera.	10/08/10	01	91,800/-	91,800/-
6	SPVP/SBPCOE/MECH/ META/BMMM/2010- 11/01	Binocular Metallurgical Microscope Model SM-8 (with imported optics)		10/08/10	01	27,000/-	27,000/-

Lab Assistant

Lab Incharge

H.O.D

Principal

**S.B.PATIL COLLEGE OF ENGINEERING, VANGALI, INDAPUR****DEPARTMENT OF MECHANICAL ENGINEERING****Lab. Name: CAD/CAM-I (List of Major Equipment)**

Sr. No.	DSR No.	Name of Equipment	Specification	Date of Purchase	Qty.	Rate	Amount (RS.)
1	SPVP/SBPCOE/MECH/ CAD/PC/2009-10/01	Acer Power Desktop	INTEL Processor Quod Core, 2.93 GHZ, Intel DG 31 PR, 2MB cache, 2 GB DDR2 RAM, 320 GB HOD, 15.6" WIDE TFT	19/06/09	01	20,850/-	20,850/-
2	SPVP/SBPCOE/MECH/ CAD/PC/2010-11/02-21	Acer Power Desktop	Desktop computer acer INTEL Processor Quod Core, 2.93 GHZ, Intel DG 31 PR, 2MB cache, 2 GB DDR2 RAM, 320 GB HOD, 15.6" WIDE TFT	30/06/10	20	19,950/-	3,99,000/-
3	SPVP/SBPCOE/MECH/ CAD/LCDP/2010-11/01	LCD Projector	-	09/09/10	01	31,500/-	31,500/-
4	SPVP/SBPCOE/MECH/ CAD/PLOTTER/2010-11/01	HP Designjet	510 42 in.	09/09/10	01	1,72,000/-	1,72,000/-
5	SPVP/SBPCOE/MECH/ CAD/PRO-E/2010-11/01-50	PRO-E U Plus Lab Bundle	All CAD/CAM/CAE Tools from PTC 50 user bundle.	15/07/10	50	4,40,000/-	4,40,000/-
6	SPVP/SBPCOE/MECH/ CAD/PC/2012-13/22-31	Lenovo Desktop	2 GB RAM,AOC15.6' LCD, 320GB HDD	13/06/12	10	20,952/-	2,35,710/-
7	SPVP/SBPCOE/MECH/ CAD/ N.SWITCH /2012-13/02	Network Switch	D link 24 port	19/06/12	01	9,600/-	9,600/-
8	SPVP/SBPCOE/MECH/ CAD/ PC /2012-13/32-46	Lenovo Desktop	Lenovo No OS-H61/i3 3220/2GB/500GB/N 18.5" Wide Monitors	29/07/13	15	22,000/-	3,30,000/-
9	SPVP/SBPCOE/MECH/ CAD/ UPS /2012-13/01	UPS	20KVA	23/09/13	01	1,50,000/-	1,57,500/-
10	SPVP/SBPCOE/MECH/ CAD/ BATTERY /2012-13/1-30	Battery	27AH 12V Battery(Exide)	23/09/13	30	2,600/-	87,750/-



SHAHAJIRAO PATIL VIKAS PRATISHTHAN'S
S.B.PATIL COLLEGE OF ENGINEERING, VANGALI, INDAPUR
DEPARTMENT OF MECHANICAL ENGINEERING
Lab. Name: Applied Thermodynamics (List of Major Equipment)

Sr. No.	DSR No.	Name of Equipment	Specification	Date of Purchase	Qty.	Rate	Amount (RS.)
1	SPVP/SBPCOE/MECH/AT/TSRC/2010-11/01	Two Stage Reciprocating Air Compressor Test Rig. (5HP)	Compressor with air cooled intercooler for 7kg/cm ² & 12 CFM displacement driven by 5H.P. squirrel cage induction motor, orifice plate & U-Tube manometer, M.S. air intake Reservoir size 0.3mx0.3mx0.6m, 240 ltr. Capacity air storage tank, compressor accessories, Control panel, hand tachometer.	25/06/10	01	88,889/-	88,889/-
2	SPVP/SBPCOE/MECH/AT/BC/2010-11/01	Bomb Calorimeter	Bomb vessel 19 ltr. Capacity, high pressure valve, electrode set, electric stirrer, pellet press, ignition micrometre wire, copper pipe fttg. Pressure gauge, high pressure digital thermometer.	25/06/10	01	55,556/-	55,556/-

3	SPVP/SBPCOE/MECH/ AT/STC/2010-11/01	Separating & Throttling Calorimeter with baby boiler	Separating Calorimeter with Separating chamber, water level gauge, outer insulating jacket, orifice assembly for throttling, pressure gauge with syphone, throttling chamber, condensate cooling tank, condensate collecting cylinder, necessary fttg. Set of thermocouple. Control panel-12 channel Temp. indicator.	25/06/10	01	58,012/-	58,012/-
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Lab Assistant

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SHAHAJIRAO PATIL VIKAS PRATISHTHAN'S

S.B.PATIL COLLEGE OF ENGINEERING, VANGALI, INDAPUR

DEPARTMENT OF MECHANICAL ENGINEERING

Lab. Name: Fluid Mechanics & Turbo Machinery (List of Major Equipment)

Sr. No.	DSR No.	Name of Equipment	Specification	Date of Purchase	Qty.	Rate	Amount (RS.)
1	SPVP/SBPCOE/MECH/FM/HB/2010-11/01	Hydraulic Bench (10 expt. Apparatus)	Venturimeter Orifice meter: 0.5 times pipe diameter Impact of jet apparatus Two nozzle, viz. flat, 30° inclined, 60° inclined, 135° angle of deflection & 180° angle of deflection. Flow through notches: Channel size 250x150x600 Rotameter Reynold's Apparatus	25/06/10	01	1,88118/-	1,88118/-
2	SPVP/SBPCOE/MECH/TM/CPTR/2011-12/01	Centrifugal Pump Test Rig	Centrifugal Pump Unit- Variable speed 1 HP Kirlosker make centrifugal pump of size 25 mm suction x 25 mm delivery to discharge 1.5 LPS flow at 12 mtr head, Sump Unit-, M.S. C.R.C. sheet metal sump of size 900 mm x 450 mm x 350 mm Flow Measurement Unit, Prime Mover Unit : 1 HP single phase 240 Volt excitation D.C. motor, Suction & Delivery Piping and fittings are provided with Pressure gauge and vacuum gauge, Control Panel Unit	29/08/11		51,379/-	51,379/-
3	SPVP/SBPCOE/MECH/TM/PTTR/2011-12/01	Pelton Turbine Test rig	Turbine Unit- Casing, Runner, Nozzle & Spear Assembly, Centrifugal Pump Unit- Head : 25 mtr. ii. Discharge : 8 LPS. iii. Power : 5 H.P. iv. Speed : 2880 RPM , Loading Unit, Flow Measurement Unit : A 2" Venturimeter with without mercury differential manometer, Sump Unit : M.S. C.R.C. sheet metal sump of 500 lit. capacity with inside fiber lamination and drain plug, Control Panel Unit	29/08/11		1,12,500/-	1,12,500/-

4	SPVP/SBPCOE/MECH/ TM/GPTR/2011- 12/01	Gear Pump Test Rig		30/08/11	01	56,250/-	56,250/-
5	SPVP/SBPCOE/MECH/ TM/ELA/2011-12/01	Electrical Analogy Apparatus		31/08/11	01	17,212/-	17,212/-
6	SPVP/SBPCOE/MECH/ TM/KTTR/2012- 13/01	Kaplan Turbine Test Rig	Capacity (1KW) with 5 HP Supply Pump	10/05/12	01	2,61,562/-	2,61,562/-

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S.B.PATIL COLLEGE OF ENGINEERING, VANGALI, INDAPUR
DEPARTMENT OF MECHANICAL ENGINEERING
Lab. Name: I.C. Engine (List of Major Equipment)

Sr. No.	DSR No.	Name of Equipment	Date of Purchase	Qty.	Rate	Amount (Rs.)
1	SPVP/SBPCOE/MECH /ICE/DE/2010-11/01	Multi-fuel Computerized research engine setup Engine: 1 Cylinder,4-stroke,Multifuel For Diesel Power 3.5 kw @ 1500rpm, CR range 12:1-18:1, For Petrol: Power 4.5 kw @ 1800rpm, CR range 6:1 – 10:1 Dynamometer Eddy currents	27/12/10	01	4,34,000/-	4,34,000/-
2	SPVP/SBPCOE/MECH /ICE/PE/2010-11/01	Computerised 4 Cylinder, 4stroke, Petrol, Maruti Wagon (MPFI), Power 47 kw @ 6200rpm,1100cc, hydraulic dynamometer	27/12/10	01	5,38,560/-	5,38,560/-
3	SPVP/SBPCOE/MECH /ICE/DGA/2010-11/01	Digital Gas Analyser (CO,O ₂ ,HC,CO ₂ & NO _x), ARI approved	27/12/10	01	1,98,000/-	1,98,000/-

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SHAHAJIRAO PATIL VIKAS PRATISHTHAN'S

S.B.PATIL COLLEGE OF ENGINEERING, VANGALI, INDAPUR

DEPARTMENT OF MECHANICAL ENGINEERING

Lab. Name: CAD/CAM-II (List of Major Equipment)

Sr. No.	DSR No.	Name of Equipment	Specification	Date of Purchase	Qty .	Rate	Amount
1	SPVP/SBPCOE/MECH/ CAD-II/PC/2011- 12/01-23	Lenovo Desktop	Model M-70, Processor INTEL Core 2 Duo E 75003M Cache, 2.93GHZ 1066, RAM-2GB, HDD-320GB, DOS License AOC 15.6" WIDE TFT Monitor.	24/05/11	23	19,000/-	4,37,000/-
2	SPVP/SBPCOE/MECH/ CAD-II/PRINTER/2011- 12/01	Printer	Canon LBP2900	23/06/11	01	6,000/-	6,000/-
3	SPVP/SBPCOE/MECH/ CAD-II/PROJECTOR/2011- 12/01	Infocus Projector		12/03/12	01	36,562/-	36,562/-
4	SPVP/SBPCOE/MECH/ CAD-II/PC/2012- 13/24-32	Lenovo Desktop	2 GB RAM,AOC15.6' LCD, 320GB HDD		09	20,952/-	2,12,139/-
5	SPVP/SBPCOE/MECH/ CAD-II/ANSIS SOFT/2012-13/01	Ansys Software Ansys	Academic Teaching Introductory Version 14.0 3200 Nodes-5 Task Perpetual	7/03/13	01 set	1,90,000 /-	2,13,750/-
6	SPVP/SBPCOE/MECH/ CAD-II/MASTERCAM/2012- 13/01	Mastercam Software	18(Mill+Turn+Design+Router Modules) Milling-6, Turning-6, Design-6	07/03/13	01 set	3,95,000 /-	4,44,375/-
7	SPVP/SBPCOE/MECH/ CAD-II/PC/2012- 13/32-46	Lenovo Desktop	Lenovo No OS-H61/i3 3220/2GB/500GB/N 18.5" Wide Monitors	29/7/13	15	22,000/-	3,30,000/-

Lab Assistant

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**S.B.PATIL COLLEGE OF ENGINEERING, VANGALI, INDAPUR****DEPARTMENT OF MECHANICAL ENGINEERING**
Lab. Name: Heat Transfer (List of Major Equipment)

Sr. No.	DSR No.	Name of Equipment	Specification	Date of Purchase	Qty.	Rate	Amount (Rs.)
1	SPVP/SBPCOE/ MECH/HT/SBA/2011- 12/01	Stefan Boltzmann Apparatus	Stefan Boltzmann Unit, Water Container Unit, Heating Unit- 2000W capacity, Test Disc Unit, Control Panel Unit	25/05/11	01	19,603/-	19,603/-
2	SPVP/SBPCOE/HT/CHFA /2011-12/01	Critical Heat Flux Apparatus	Critical Heat flux Unit, Heating Unit-500W capacity, Heater Control unit-0-230V, Control panel unit	25/05/11	01	21,611/-	21,611/-
3	SPVP/SBPCOE/ MECH/HT/PFA/2011- 12/01	Pin Fin Apparatus	Pin Fin Unit, Heating Unit-300W capacity, Heater Control unit-0- 230V, Control panel 3nit	25/05/11	01	21,262/-	21,262/-
4	SPVP/SBPCOE/ MECH/HT/TCMRA/2011 -12/01	Thermal Conductivity of Metal	Conductivity Unit, Heating Unit, Heater Control unit-0-230V, Control panel unit	25/05/11	01	19,555/-	19,555/-
5	SPVP/SBPCOE/ MECH/HT/TCIP/2011- 12/01	Thermal Conductivity of Insulating Powder	Heating unit-400W capacity, Heater Control unit-0-230V, Control panel unit	25/05/11	01	19,125/-	19,125/-
6	SPVP/SBPCOE/ MECH/HT/HTNC/2011- 12/01	Heat Transfer in Natural Convection	Convection Unit, Heating unit-400W capacity, Heater Control unit-0-230V, Control panel unit	25/05/11	01	19,125/-	19,125/-
7	SPVP/SBPCOE/ MECH/HT/HTFC/2011- 12/01	Heat Transfer in Forced Convection	H Convection Unit, eating unit-400W capacity, Heater Control unit-0-230V, Control panel unit	25/05/11	01	20,250/-	20,250/-

8	SPVP/SBPCOE/MECH/H T/CWA/2011-12/01	Composite Wall Apparatus	Composite wall unit, Heating unit-400W capacity, Heater Control unit-0-230V, Control panel unit	25/05/11	01	19,125/-	19,125/-
9	SPVP/SBPCOE/MECH/H T/PFACFHEA/2013- 14/01	Parallel flow & counter flow heat exchanger	-	27/6/13	01	26,775/-	26,775/-

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S.B.PATIL COLLEGE OF ENGINEERING, VANGALI, INDAPUR

DEPARTMENT OF MECHANICAL ENGINEERING

Lab. Name: Theory of Machines (List of Major Equipment)

Sr. No.	DSR No.	Name of Equipment	Specification	Date of Purchase	Qty.	Rate	Amount
1	SPVP/SBPCOE/MECH/ TOM/CFTR /2011-12/01	Clutch Friction Test Rig	-	25/05/11	01	37,275/-	37,275/-
2	SPVP/SBPCOE/MECH/ TOM/GIGTP /2011-12/01	Generation of Involute Gear Tooth Profile	Generation of gear tooth profile by using rack & pinion assembly. Three different PCD discs having dia. 10", 12" & 14"	25/05/11	01	9,658/-	9,658/-
3	SPVP/SBPCOE/MECH/ TOM/PIVGB /2013-14/01	Cut Section Model of PIV Gear Box	-	26/08/13	01	23,300/-	23,300/-
4	SPVP/SBPCOE/MECH/ TOM/SMM /2013-14/01	Cut Section Model of Sewing Machine Mechanism	-	26/08/13	01	5,220/-	5,220/-

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SHAHAJIRAO PATIL VIKAS PRATISHTHAN'S
S.B.PATIL COLLEGE OF ENGINEERING, VANGALI, INDAPUR
DEPARTMENT OF MECHANICAL ENGINEERING
Lab. Name: Refrigeration & Air Conditioning (List of Major Equipment)

Sr. No.	DSR No.	Name of Equipment	Specification	Date of Purchase	Qty.	Rate	Amount
1	SPVP/SBPCOE/ MECH/ RAC/RCTA/200 9-10/01	Refrigeration cycle test apparatus	Compressor Unit : 1/3 Ton of refrigeration Hermetically sealed compressor of Emulsions Copland make suitable for 134a refrigerant, Condenser Unit , Expansion Unit : Two Types of expansion devices are provided i. Thermostatic Expansion Valve ii. Constant pressure Capillary Tube, Evaporator Unit, Control Panel Unit : i. Digital temperature Indicator with selector switch with set of thermocouples are mounted on various locations. ii. Cam operated On-Off switch. iii. Voltmeter provided for voltage measurement. iv. Ammeter provided for load measurement. v. Energymeter for power measurement. vi. Auto Transformer for balance of cold effect vii. 0 to 350 PSI Pressure Gauge in delivery line. viii. -30 to 0 to 150 PSI compound Gauge mounted on suction line ix. Immersion Heater for balancing the cold effect. x. HP & LP safety cutout is used as a safety. xi. Electrically operated solenoid valve	25/05/11	01	99,900/-	99,900/-
2	SPVP/SBPCOE/ MECH/ RAC/ACCTA/20 11-12/01	Air Conditioning Cycle Test Apparatus	Compressor Unit : 1/2 Ton of refrigeration Hermetically sealed compressor of Emmelson Copland make suitable for 134a refrigerant. Condenser Unit : Forced draft finned type copper coiled air cooled condenser with fan Expansion Unit : Thermostatic Expansion Valve motor.	26/12/11	01	91,125/-	91,125/-

			Evaporator Unit : Forced draft finned type copper coiled air cooled Evaporator. Flow Measurement Unit : Suitable range of float type glass tube rotameter is used. De-Humidifier : Electrical Heater used for removal of moisture in air. Boiler : i. Suitable Baby Boiler for steam generation. ii. Pressure Gauge used for measure the steam pressure inside the boiler. Blower : 8" , high speed Centrifugal blower. Control Panel Unit : i. Digital temperature Indicator with selector switch with set of thermocouples are mounted on various locations. ii. Cam operated On-Off switch. iii. Voltmeter provided for voltage measurement. iv. Ammeter provided for load measurement. v. Energymeter for power measurement. vi. 0 to 350 PSI Pressure Gauge in delivery line. vii. -30 to 0 to 150 PSI compound Gauge mounted on suction line viii. HP & LP safety cutout is used as a safety.				
3	SPVP/SBPCOE/ MECH/ RAC/IP/2012-13/01	ICE Plant	Capacity 20Kg/Day	10/05/12	01	01,23,750/-	01,23,750/-

4	SPVP/SBPCOE/ MECH/ RAC/VARC/201 2-13/01	Vapour Absorption Refrigeration Cycle Test Rig				95,625/-	95,625/-
5	SPVP/SBPCOE/ MECH/ RAC/AWHPA/20 12-13/01	Air Water Heat Pump apparatus				01,29,375/-	01,29,375/-

Lab Assistant

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SHAHAJIRAO PATIL VIKAS PRATISHTHAN'S

S.B.PATIL COLLEGE OF ENGINEERING, VANGALI, INDAPUR

DEPARTMENT OF MECHANICAL ENGINEERING

Lab. Name: Metrology & Quality Control (List of Major Equipment)

Sr. No.	DSR No.	Name of Equipment	Specification	Date of Purchase	Qty.	Rate	Amount
1	SPVP/SBPCOE/MEC H/MQC/AC/2011- 12/01	Autocolimeter	-	08/02/12	01	1,19,300/-	1,19,300/-
2	SPVP/SBPCOE/MEC H/MQC/FCM/2011- 12/01	Floating carriage micrometer	-	08/02/12	01	59,580/-	59,580/-
3	SPVP/SBPCOE/MEC H/MQC/OF/2011- 12/01	Optical flat A) Monochromatic light source. B) Specimen set	-	08/02/12	01 01	23,200/- 19,900/-	23,200/- 19,900/-
4	SPVP/SBPCOE/MEC H/MQC/SG/2011- 12/01	Slip Gauge set (83 nos.)	-	08/02/12	01	46,800/-	46,800/-
5	SPVP/SBPCOE/MEC H/MQC/MC/2011- 12/01	Mechanical comparator	-	08/02/12	01	19,600/-	19,600/-
6	SPVP/SBPCOE/MEC H/MQC/SP/2011- 12/01	Surface Plate(300x300mm) CI	-	08/02/12	01	14,250/-	14,250/-
7	SPVP/SBPCOE/MEC H/MQC/PP/2013- 14/01	Profile Projector	-	20/06/13	01	81,900/-	81,900/-
8	SPVP/SBPCOE/MEC H/MQC/MVB/2013- 14/01	Magnetic V Block(01pair) 100mm	-	20/06/13	01	12,386/-/-	12,386/-
9	SPVP/SBPCOE/MEC H/MQC/GSP/2013- 14/01	Granite Surface Plate(600x600mm)	-	20/06/13	01	13,283/-	13,283/-
10	SPVP/SBPCOE/MEC H/MQC/BDG/2013- 14/01	Bore Dial Gauge(25-50mm)	-	20/06/13	01	12,010/-	12,010/-

Lab Assistant

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S.B.PATIL COLLEGE OF ENGINEERING, VANGALI, INDAPUR
DEPARTMENT OF MECHANICAL ENGINEERING
Lab. Name: Mechatronics (List of Major Equipment)

Sr. No.	DSR No.	Name of Equipment	Specification	Date of Purchase	Qty.	Rate	Amount
1	SPVP/SBPCOE/MECH/MTX/CO T/2011-12/01	Calibration of Thermocouples	-	08/02/12	01	8,200/-	8,200/-
2	SPVP/SBPCOE/MECH/MTX/CO T/2011-12/01	Flow Measurement by using Orificemeter	-	08/02/12	01	17,800/-	17,800/-
3	SPVP/SBPCOE/MECH/MTX/LCA SG/2013-14/01	Load Cell & Strain gauges, Digital Strain Indicator	-	20/06/13	01	16,368/-	16,368/-
4	SPVP/SBPCOE/MECH/MTX/AT DC/2013-14/01	Analog to Digital Convertor	-	20/06/13	01	2,112/-	2,112/-
5	SPVP/SBPCOE/MECH/MTX/DT AC/2013-14/01	Digital to Analog Convertor	-	20/06/13	01	2,112/-	2,112/-
6	SPVP/SBPCOE/MECH/MTX/OP AMP/2013-14/01	OPAMP1) Inverting & Non-Inverting 2) Comparator 3) Integrator 4) Adder & Subtractor 5) Differentiator	-	20/06/13	01	1,311/-	1,311/-
7	SPVP/SBPCOE/MECH/MTX/FAT/2013-14/01	Flip flop & Timer	-	20/06/13	01	2,376/-	2,376/-
8	SPVP/SBPCOE/MECH/MTX/LV DT/2013-14/01	Linear Variable Differential Transformer	-	20/06/13	01	17,522/-	17,522/-

Lab Assistant

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SHAHAJIRAO PATIL VIKAS PRATISHTHAN'S
S.B.PATIL COLLEGE OF ENGINEERING, VANGALI, INDAPUR
DEPARTMENT OF MECHANICAL ENGINEERING
Lab. Name: Dynamics of Machines (List of Major Equipment)

Sr. No.	DSR No.	Name of Equipment	Specification	Date of Purchase	Qty.	Rate	Amount
1	SPVP/SBPCOE/MECH/DOM/BRMA/2011-12/01	Balancing of Rotary Mass Apparatus	-	08/12/11	01	18,400/-	20,700/-
2	SPVP/SBPCOE/MECH/DOM/VLA/2011-12/01	Vibration Laboratory Apparatus	-	08/12/11	01	79,800/-	89,775/-
3	SPVP/SBPCOE/MECH/DOM/DSATR/2011-12/01	Dynamic Shock Absorber Test Rig	-	20/06/13	01	80,960/-	80,960/-
4	SPVP/SBPCOE/MECH/DOM/JBTR/2011-12/01	Journal Bearing Test Rig	-	20/06/13	01	42,240/-	42,240/-
5	SPVP/SBPCOE/MECH/DOM/SBTR/2011-12/01	Sliding Bearing Test Rig	-	20/06/13	01	70,399/-	70,399/-
6	SPVP/SBPCOE/MECH/DOM/WSA/2011-12/01	Whirling of Shaft Apparatus	-	27/06/13	01	23,275/-	26,184/-

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