

NATIONAL POWER TRAINING INSTITUTE

(Under the Ministry of Power, Govt. of India)

South Ambazari Road, Gopal Nagar

Nagpur - 440022



MANDATORY DISCLOSURE

1. Name and address of the Institution

Name	NATIONAL POWER TRAINING INSTITUTE (Under The Ministry of Power Govt.of India)		
Address	SOUTH AMBAZARI ROAD, Gopal Nagar NAGPUR-440022		
Pin Code	440 022	STD Code	0712
Phone No.	2226176	Fax No.	0712-2220413
E-Mail	<u>info@nptinagpur.com</u>	Web site	<u>www.npti.nic.in</u> <u>www.nptinagpur.com</u>

2. Name and address of the Principal Director

Name	M.R. CHAUBEY				
Designation	Principal Director	Qualification & Experience: B.E.(MECH) 32 years	Highest Degree	Specialization	Total Experience
		Date of Birth: 01/10/1953	B.E.	POWER SECTOR	32
STD Code	0712	Phone No. (O) 2231478	Fax No.	0712-2220413	
STD Code	0712	Phone No. (R) 2239203	Fax No.	Nil	
E-Mail	nptiwr_ngp@sancharnet.com	Mobile No. 09910110053			
Address	NPTI(WR), CAMPUS Nagpur-440022				

3.Name of the Affiliating University

Name

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Full Address

Maharajbag Road, Civil Lines, Nagpur

Pin Code

440 001

Period of Affiliation

From 2001

STD. Code

0712

Phone no: 2523045, 2523417

Fax No.

0712-2532841

E- mail:

4. Governance

a. Management Council of NPTI Nagpur

S.No	Name	Designation	Address	Position
1	Shri Santosh Kumar	Director General	NPTI, Sector 33 Faridabad	Chairman
2	Shri P.H. Rana	Member (Tech)	Gujarat Power generation company, Race Course, Vidyut Bhavan Baroda 390 007.	Member
3	Dr. S S Gokhale	Director	Visvesvaraya National Institute of Technology NAGPUR-440 011	Member
4	Dr S.Devotta	Director	National Environmental Engineering Research Institute Nehru Marg Nagpur- 440012	Member
5	Shri R.K. Singh	Executive Director	Bharat Heavy Electricals Ltd, Shrimohini Complex, Nagpur	Member
6	Dr. K.K. Dhote	Jt. Director of Technical Education	Govt.Polytechnic Sadar Nagpur-440 001.	Member
7	Dr. D J Tidke	Principal	Yeshwantrao Chavan College of Engineering Wanadongri, Hingna Road, NAGPUR.	Member
8	Prof. U C Gadkari	Principal	Priyadarshini College of Engineering Digdoh, Hingna Road NAGPUR.	Member
9	Shri M S Charmode	Chief General Manager	Mahagenco Koradi Thermal Power Station KORADI.	Member
10	Shri A.M Shelar	Chief General Manager	Mahagenco, Khaparkheda Thermal power plant, Khaparkheda	Member
11	Shri S V	General	Gujarat Power	Member

	Sapre	Manager (Trg)	Generation Corporation	
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b. Governing Council of NPTI

The Governing Council of NPTI consists of the following.

1. Secretary, Ministry of Power, Govt. of India - Chairman.
2. Chairman, Central Electricity Authority - Vice Chairman
3. Member (G&O), Central Electricity Authority - Member
4. Joint Secretary (Trg.), Ministry of Power, GOI - Member
5. Joint Secretary & FA, Min. of Power, GOI - Member
6. 5 Representatives from State Electricity Boards - Members
7. Representative from NTPC - Member
8. Representative from PGCIL - Member
9. Representative from NHPC - Member
10. 6 persons of eminence one each from the
Of Technical Education, Management, Power
Equipment Manufacturing Industry, Power
Development, Non Conventional Energy Sources and
Energy Conservation/Rural Electrification –
Nominated by the Govt. of India - Members
11. Director General, NPTI - Member Secretary

5. Programmmes

Four Years degree course in Power Engineering Branch approved by AICTE
Wide letter No. **FN No. 740-89-078 (NDEG)/ET/2001 dated 15/6/2006**

Name	Number of seats	Duration Years	Cut off mark/rank for admission during last three years	Fee	Placement facilities	Campus placement in last 3 years with minimum salary, maximum salary and average salary
UNDER GRADUATE:						
POWER ENGG	60	4	50% in PCM for Open Category and 45% for Reserved Category	Rs 35000	Yes	2005-90% 2006-77% 12000-20000

6.Profile of Principal Director

BIO - DATA



1. Name	MAYA RAM CHAUBEY
2. Designation	Principal Director
3. Date of Birth	01/10/1953
4. Date of Joining NPTI	28/02/1983
5. Qualification	B.E. (MECH), from ROORKEE UNIVERSITY
6. Total Experience (i) Professional (ii) Teaching/Training	Fellow Institution of Engineers India. 32 years 6 YEARS TEAHING AND 26 in Power Sector.
7. No. of papers published	1
8. Books /Manuals written	1
9. Summer/Winter schools attended.	9 WEEKS SENIOR SIMULATOR INSTRUCTOR TRAINING IN CEGB UK IN 1987
10.R & D Projects undertaken	6 WEEKS TRAINING ON EMMISION UP-GRADATION PROJECTS AT CANADA/USA UNDER CIDA PROJECT IN 1999
11.Any other relevant Information.	LIFE MEMBER – SOLAR ENERGY SOCIETY OF INDIA

7.Profile of Faculty

BIO - DATA



1. Name	ANIL G. VINCHURKAR
9. Designation	DIRECTOR
3. Date of Birth	15/04/1956
4. Date of Joining NPTI	17/07/1984
5. Qualification	B.E. (MECHANICAL), M-Tech (HPE), PGDHRM
6. Total Experience (i) Professional (ii) Teaching/Training	. 11 Years. 22 Years.
7. No. of papers published	04
8. Books/Manuals written	05
9. Summer/Winter schools attended.	12 WEEKS SENIOR INSTRUCTORS TRAINING IN CEGB UK IN1989, 5 WEEKS TRAINING AT GPI & S3 TECHNOLOGIES USA
10. R & D Projects undertaken	
11.Any other relevant Information.	- Chairman, Board of Studies, Nagpur University for Power Engg. Branch - Recipient of Best Director & Best Deputy Director Award of NPTI.

BIO-DATA



1. Name	V.K. SINHA
9. Designation	DIRECTOR
3. Date of Birth	20/02/1956
4. Date of Joining NPTI	13/03/1984
5. Qualification	B.E (Mech.), M. Tech. (HPE)
6. Total Experience (i) Professional (ii) Teaching/Training	. 4 Years. 22 Years.
7. No. of papers published	-
8. Books/Manuals written	01
10. Summer/Winter schools attended.	-
10. R & D Projects undertaken	-
11. Any other relevant Information.	-

BIO - DATA



1. Name	PANDE MADHAV VASANTRAO
2. Designation	DY. DIRECTOR
3. Date of Birth	26/05/1958
4. Date of Joining NPTI	16/02/1990
5. Qualification	M. TECH., (HPE), DBM, ENERGY AUDITOR
5. Total Experience (i) Professional	14 Years in TPS Operation & Maintenance.
(ii) Teaching/Training	11 Years.
7. No. of papers published	-
8. Books Manuals written	07
9. Summer/Winter schools attended.	-
10.R & D Projects undertaken	-
11.Any other relevant Information.	-

BIO - DATA



1. Name	NITIN C. MOHARIL
3. Designation	DY. DIRECTOR
3. Date of Birth	14/07/1961
4. Date of Joining NPTI	05/02/1990
5. Qualification	B.E. Mechanical , M.B.A
6. Total Experience (i) Professional	6 Years.
(ii) Teaching/Training	1 Year.
7. No. of papers published	-
8. Books Manuals written	-
9. Summer/Winter schools attended.	-
10. R & D Projects undertaken	-
11. Any other relevant Information.	Has passed 'Certified Energy Auditor' Examination conducted by Bureau of Energy Efficiency, Ministry of Power, Govt. of India.

BIO - DATA



1. Name	P.K. YADAV
2. Designation	DY. DIRECTOR
3. Date of Birth	25/09/1956
4. Date of Joining NPTI	21/03/1991
5. Qualification	B. E. (ELECT.), M. TECH.(POWER SYSTEM).
6. Total Experience (i) Professional	8 Years.
(ii) Teaching/Training	Nil
7. No. of papers published	-
8. Books Manuals written	1
9. Summer/Winter schools attended.	-
10.R & D Projects undertaken	-
11.Any other relevant Information.	-

BIO - DATA



1. Name	SANJAY V. MALPE
10. Designation	DY. DIRECTOR
3. Date of Birth	19/07/1960
4. Date of Joining NPTI	15/04/1988
5. Qualification	M.E. (MECH.)
6. Total Experience (i) Professional (ii) Teaching/Training	3 Years. 19 Years.
7. No. of papers published	-
8. Books Manuals written	-.
9 Summer/Winter schools attended.	-
10. R & D Projects undertaken	-
11 .Any other relevant Information.	-

BIO - DATA



1. Name	G.V. HARSHE
2. Designation	DY. DIRECTOR
3. Date of Birth	01/06/1958
4. Date of Joining NPTI	24/05/1988
5. Qualification	B.E. (MECH.)
6. Total Experience (i) Professional (ii) Teaching/Training	8 Years. 18 Years.
7. No. of papers published	-
8. Books/Manuals written	4
9. Summer/Winter schools attended.	-
10. R & D Projects undertaken	-
11. Any other relevant Information.	-

BIO-DATA



1. Name	RANJAN KUMAR MISHRA
11. Designation	DY. DIRECTOR
3. Date of Birth	18/01/1964
4. Date of Joining NPTI	10/05/1990
5. Qualification	B.E. (ELECT.), MBA.
6. Total Experience (iii) Professional	5 Years
(iv) Teaching/Training	16 years
7. No. of papers published	-
8. Books/Manuals written	2
12. Summer/Winter schools attended.	-
10. R & D Projects undertaken	-
11. Any other relevant Information.	-

BIO - DATA



1. Name	PARESH PRABHAKAR KOSE
9. Designation	DY. DIRECTOR
3. Date of Birth	10/04/1967
4. Date of Joining NPTI	
5. Qualification	B.E. (ELECTRONICS) M.E.(Robotics)
6. Total Experience (i) Professional	. 3 Years.
(ii) Teaching/Training	13 Years.
7. No. of papers published	-
8. Books/Manuals written	-
10. Summer/Winter schools attended.	-
10. R & D Projects undertaken	-
11. Any other relevant Information.	-

BIO - DATA



1. Name	VELLANKI VIDYASAGAR
2. Designation	DY. DIRECTOR
3. Date of Birth	30/06/1961
4. Date of Joining NPTI	03/07/1995
5. Qualification	M. TECH. (THERMAL ENGG.)
6.Total Experience (i) Professional	23 Years.
(ii) Teaching/Training	Years.
6. No. of papers published	-
7. Books/Manuals written	2 and 3 rd one is under preparation
8. Summer/Winter schools attended.	-
9. R & D Projects undertaken	-
10.Any other relevant Information.	A faculty on Real Time, full Scope 210 MW Simulator.

BIO-DATA



1. Name	SHEKHAR ISHWARDAS MAHANT
10. Designation	ASSTT. DIRECTOR
3. Date of Birth	04/11/1970
4. Date of Joining NPTI	24/07/2003
5. Qualification	B.E. (MECH.),M. TECH. (I.E.), MBA (Marketing & Finance)
6. Total Experience (i) Professional	.
(ii) Teaching/Training	5Years before joining NPTI 5 years in NPTI..
7. No. of papers published	-
8. Books/Manuals written	-
9. Summer/Winter schools attended.	Summer - school AICTE - ISTE sponsored 2 weeks STP on "Failure Analysis of Engg. Materials & Redudual Life Assessment".
10. R & D Projects undertaken	-
11.Any other relevant Information.	Successfully completed the courses on "Best Practices in Distribution System Operation & Maintenance (O&M)" & "Managerial Training course in Export Marketing".

BIO-DATA



1. Name	B. VENKATA SUBBIAH
13. Designation	ASSTT. DIRECTOR
3. Date of Birth	12/07/1967
4. Date of Joining NPTI	21/03/2005
5. Qualification	B. TECH. (MECH.) M. TECH. (IC ENGINES & GAS TURBINES)
6. Total Experience (v) Professional (vi) Teaching/Training	10 Years (Teaching). 1 1/2 years (Training).
7. No. of papers published	2
8. Books/Manuals written	01
14. Summer/Winter schools attended.	3
10. R & D Projects undertaken	-
11. Any other relevant Information.	-

8.Fees

Rs.54000 is charged as tuition fee approved by Shikshan Shulka Samity (SSS) of Govt.of Maharashtra at time of first year admissions.

Rs 3666 is also is charged towards college and university fees.

9.Admission Procedure

The Directorate of Technical Education (DTE), Maharashtra State every year and common entrance test is being taken by them, frames admission rules.
Number of seats allotted to different Test Qualified candidates separately [AIEEE / CET (State conducted)]
The Website of Directorate of Technical Education is www.dte.org.in
All the admissions of 1 st year B E students are taking place through Centralised Admission Process (CAP) of DTE.

- ❖ Over and above the total intake of 60 seats the admission to J&K quota is also given.
- ❖ All the eligible students have to apply on line for allotment of seats by downloading application form.
- ❖ The list of students allotted the branch and college is displayed on Website of DTE.

10. Infrastructure facilities available in the Institute

a. Library

Sr. No.	Particulars		Library facility available as on date
1.	No. Of titles of the books		5300
2.	No. Of Volumes of books		8411
3.	No. of Journals	National	Journals 04 Magazines 17 Periodicals 04
		International	Journals 03 Magazines 17 Periodicals 04
4.	Seating Capacity		40
5.	Reprographic Capacity		Yes



LIBRARY

b. Laboratories

1) CONTROL AND INSTRUMENTATION LAB

S. No	Name of equipment	Quantity	Make	Cost
1	Calibration of LVDT	1	Lab Electronics	7970
2	Calibration of thermocouple	1	Lab Electronics	2400
3	Calibration of RTD	1	Lab Electronics	2400
4	H parameter measurement	1	Lab Electronics	2150
5	Platinum resistance thermometer for temperature measurement kit	1	SR Instruments	13500
6	Vibration measurement kit	1	SR Instruments	52500
7	Velocity measurement	1	SR Instruments	15200
8	Sound measurement	1	SR Instruments	19000
9	Strain gauge factor & young's modulus	1	SR Instruments	15200
10	Vacuum measurement	1	SR Instruments	32000
11	Level measurement system	1	SR Instruments	35000
12	Humidity measurement	1	SR Instruments	32000
13	Wavelength measurement	1	SR Instruments	32000
14	Viscosity measurement	1	SR Instruments	32000
15	Conductivity measurement	1	SR Instruments	29500
16	Moisture measurement	1	SR Instruments	31500
17	PH measurement	1	SR Instruments	31500
18	Calibration of photo & magnetic pickup for measurement of speed	1	SR Instruments	23200
19	Calibration of strain gauge for force measurement	1	SR Instruments	15500
20	Calibration of pressure gauge/ pressure transducer kit	1	SR Instruments	16900
21	Calibration of temperature measurement kit	1	SR Instruments	15600
22	Calibration of capacitance for angular displacement	1	SR Instruments	15600
23	Calibration of load cell	1	SR Instruments	20200
24	Instrumentation tutor for RTD, Thermocouple, Thermistor, Speed	1	SR Instruments	32900
25	Instrumentation tutor for photo-transistor, photo-diode, flow, angle	1	SR Instruments	39500
26	Instrumentation tutor for LDR, Pizzo, Inductance, Capacitance	1	SR Instruments	42800
27	Instrumentation tutor for Load/force, pressure	1	SR Instruments	35800
28	Instrumentation tutor for torque, air velocity	1	SR Instruments	34000
29	Instrumentation tutor for LVDT, strain gauge	1	Lab Electronics	21275
30	LVDT transducer kit	1	SR Instruments	16400
31	Optical pyrometer system	1	SR Instruments	18000

32	Capacitance demonstration setup	1	SR Instruments	16900
33	Photo sensor demonstration setup for speed	1	SR Instruments	22500
34	Proving ring with digital indicator	1	SR Instruments	24500
35	Platinum resistance thermometer setup	1	SR Instruments	14100
36	Stroboscope demonstration setup	1	SR Instruments	23900
37	Non-contact type tachometer	1	SR Instruments	4500
38	Study of seismic pickup setup	1	SR Instruments	52500
39	Calibration of rotometer for flow measurement setup	1	SR Instruments	36000
40	Equipment to determine gauge factor & cross sensitivity of strain gauge	1	SR Instruments	37800
41	Inductance pickup demonstration kit.	1	SR Instruments	14500
42	PC-based pressure loop control setup	1	V I Microsystems	193800
43	PC-based level control setup	1	V I Microsystems	199800
44	PLC Trainer	1	V I Microsystems	199950
45	I/P Converter	1	V I Microsystems	198500
46	Digital Temperature Controller	1	V I Microsystems	199300
			Total	1972045



C & I LAB

2) ELECTRONIC DEVICES AND CIRCUITS

S. No	Name of equipment	Quantity	Make	Cost
1	Linear Op-AMP trainer	5	Omega	9690
2	Photo Transistor demonstration	1	Omega	2500
3	Photo-diode demonstration	1	Omega	2500
4	Characteristics of MOSFET	2	Omega	4300
5	HWR/FWR	2	Omega	4300
6	Characteristics of UJT	2	Omega	4300
7	Charc. Of Zener diode	2	Omega	4300
8	Charc. Of diode	2	Omega	4300
9	IC 723 trg kit	2(1+1)	Lab Electronics	5180
10	PLL trainer	1	Omega	2590
11	Transistor ckt. Trainer	5	Omega	10750
12	CRO	15	Aplab	218625
13	Linear trainer	5	Omega	20825
14	0-30V-1A power supply	1	Omega	3700
15	Clipping ckt kit	1	Lab Electronics	2244
16	Basic theorem's board	2	Lab Electronics	4692
17	Function generator	5	Lab Electronics	14375
18	Negative Feedback amplifier trg. Kit.	2	Omega	3480
19	Wein bridge oscillator trg. Kit.	2	Omega	3240
20	Push-Pull amplifier trg. Kit.	2	Omega	3480
21	Colpitt oscillator trg. Kit.	2	Omega	3240
22	Schmitt trigger trg. Kit.	2	Omega	2780
23	Hartley oscillator trg. Kit.	2	Omega	3240
24	Component development system	5	Omega	73100
25	Amplitude modulation & de-modulation trg. Kit.	2	Omega	3020
26	IC tester (digital)	1	Omega	12940
27	IC tester (linear)	1	Omega	12000
			Total	439691

3) DIGITAL CIRCUITS

S. No	Name of equipment	Quantity	Make	Cost
1	Advanced Logic Trainer	1	Omega	3752
2	Flip-Flop Kit	2	Lab Electronics	3870
3	Modulo N counter kit	1	Lab Electronics	1935
4	A/D converter kit	1	Lab Electronics	2735
5	D/A converter kit	1	Lab Electronics	2590
6	Synchronous counter kit	1	Lab Electronics	2590
7	Interfacing of IC families	1	Lab Electronics	2150
8	Boolean Expression kit	5	Lab Electronics	10750
9	5V-1A power supply	10	Omega	15300
10	Counter logic trainer	1	Lab Electronics	2590
11	Logic trainer	1	Lab Electronics	4165
12	Bread board	20	Scientech	5400
13	Digital logic demonstrator	1	Scientech	2500
14	Multimeter	20	Scientech	38200
15	Up-down counter kit	1	Omega	1800
16	16:1 multiplexer kit	1	Omega	2100
17	1:16 demultiplexer kit	1	Omega	2100
18	ALU kit	1	Omega	1300
19	Adder cum subtractor kit	5	Omega	7500
20	DSO (Tektronix make)	1	Tektronix	199000
21	Logic Analyzer (SLS make)	1	SLS	197400
22	Spectrum Analyzer (Signet make)	1	Signet	198500
			Total	708227

4) ELECTRICAL ENGINEERING LAB.

S.No	Name	Qty	Make	Cost in Rs.
1	D.C. Supply	4	Testronix	10,000/-
2	D.C. Ammeter 0-1A	6	Nippen	6,720/-
3	D.C.Voltmeter 0-30v	2	-do-	2,240/-
4	Rheostatic 100 ohms/2.8A	2	Toshnival	1,320/-
5	Rheostatic 150 ohms/1.8A	4	-do-	2,640/-
6	Motwane Multimeter	5	Motwane	10,950/-
7	D.C. Ammeter 0 -25 MA	6	Nippen	9,870/-
8	Rheostatic 390 ohm/ 1K	6	Toshnival	17,400/-
9	3 ph Autotransformer	4	Ravi Electronics	15,200/-
10	A.C. Ammeter 0-10 A	2	AE	3,020/-
11	AC Ammeter 0- 5 A	4	AE	6,040/-
12	AC Valtmeter 0-600 v	4	AE	6,040/-
13	Rheostatic 100 ohm 1 5A	12	Toshnival	12,000/-
14	AC Valtmeter 0-300v	14	AE	21,140/-
15	1-ph Transformer 1 KVA	4	AE	56,000/-
16	AC Ammeter 0-2 A	2	AE	3,020/-
17	1-ph AutoTransformer	10	Ravi Electronics	29,000/-
18	1-ph Transformer 2 KVA	2	AE	19,000/-
19	AC Ammeter 2A,5A,10A, 1A	22	AE	24,640/-
20	AC Vattmeter 75 V	02	AE	2,240/-
21	Inductor 80 W	6	---	3,000/-
22	Capicitor 33 Microframed	4	---	1,600/-
23	1-ph Wattmeter	14	Nippen/AE	78,000/-
			TOTAL	3,41,080/-



ELECTRICAL ENGINEERING LAB

5) ELECTRICAL MACHINE-I LAB.

S.No	Name	Qty	Make	Cost in Rs.
1	D.C. Shunt Generator	02	ARWA	42,600/-
2	D.C. Shunt Motor	04	-do-	85,200/-
3	Rheostates	10	Toshiwal	10,000/-
4	DC Compound Generator	01	ARWA	21,290/-
5	3-Ph SCIM	02	-do-	32,000/-
6	3- Ph Transformer	01	AE	29,000/-
7	Rectifier set	01	AE	1,05,400/-
8	3-Ph SR Induction Motor	02	ARWA	20,300/-
9	3- Ph salient pole Alternator	01	-do-	12,000/-
10	AC Voltmeter	08	AE	19,080/-
11	AC Ammeter	09	AE	14,800/-
12	3- Ph Wattmeter	02	AE	11,000/-
13	Power Factor Meter	01	AE	4,400/-
14	Centre Zero Wattmeter	01	AE	2,800/-
15	3- Ph Auto-Transformer	03	AE	55,200/-
16	Rheostate	06	Toshnival	18,000/-
17	1- Ph Transformer	02	AE	28,000/-
18	Loading Rheostate	04	Jepica	1,00,000/-
19	1- Ph Wattmeter	02	AE	11,200/-
20	Techometer	03	Agronic	11,400/-
			TOTAL	6,17,670/-

6) APPLIED MECHANICS LAB

1	SIMPLY SUPPORTED BEAM	1	1850
2	JIB CRANE	1	1400
3	SINGLE PURCHASE CARB	1	4500
4	DOUBLE PURCHASE CARB	1	5400
5	COIL FRICTION	1	1400
6	INCLINED PLANE FRICTION APPARATUS	1	1900
7	FLATCHER'S TROLLEY	1	3450
8	FLY WHEEL,15 CM DIAMETER	1	960
9	FLY WHEEL,20 CM DIAMETER	1	1150
10	FLY WHEEL,25 CM DIAMETER	1	2500
11	COMPOUND PENDULUM	1	360
12	GARS SIMPLE COMPOUND BEVEL, TRAIN OF FLASS	1	700
13	GEAR BOX	1	1350
14	SINGLE STAGE BEVEL GEARS	1	700
15	TRAIN OF GEAR WHEELS	1	650
16	DIFFERENTIAL AXIAL & WHEELS	1	1500
			29770



MECHANICS LAB

7) PHYSICS LAB

1	MERCURY VAPOUR LAMP	2	500
2	CRO PROBE	4	420
3	DIGITAL MULTI METER	2	4500
4	TRANSFORMER 0-5V	4	112
5	TABLE LAMP	6	750
6	DIODE DR 25	15	90
7	ZENER DIODE 6V	20	40
8	CROCODILE CLIPS	500	750
9	CONICAL FLASK 250ML	6	390
10	TRANSISTER CHARACTERESTIC APPARATUS	2	12200
11	ZENER DIODE CHARACTERESTIC	2	6750
12	EDF PRISAM 32 X32X32 FOR SPECTRO METER	5	3600
13	PLAIN TRANSMISSION GRATING	3	2094
14	DUAL TRACE OSCILOCOPE	2	35200
15	QUATZ PRISAM 24 X 24 X24 FOR SPECTROMETER	4	3000
16	TRANSISTOR AC - 128	20	320
17	PACIFIC DECADE RESISTANCE BOX	4	5320
18	PACIFIC DECADE CAPICITANE BOX	4	8640
19	INCO- SPECTRO METER	4	38200
20	SODIUM SOURCE 35W WITH TRANSFORMERS FOR SODIUM VAPOUR LAMP	3	6000
21	FUNCTION GENERATOR 1 MHZ	4	33800
22	MAGNIFYING LENSE	6	1194
23	NEWTONS RING METHOD COMPLETE SET UP WITHOUT SOURCE	3	17850
24	E/ON BY THOMSON METHOD APP. COMPLETE SET UP WITH STAND, MAGNET, .	2	15800
	MAGNATOMETER ETC		
25	POLARIODS ATTACHMENT FOR SPECTROMETER	4	2700
26	LASER SOURCE 0.5	2	44000
27	LAZER (BREWSTER ANGLE SC RETROCTIVE INDEX OF GLASS USING LAZER) ES-313	2	26300
28	TRANSISTER CHARACTERISTIC APPARATUS (ETB-52)	2	12200
29	DC AMMETER 0-50A	5	3175
30	DC AMMETER 0-100A	5	3175
31	DC AMMETER 0-250A	5	3175
32	DC AMMETER 0-2A	10	4990
33	DC AMMETER 0-5A	10	4990
34	DC AMMETER 0-10A	10	4990
35	DC AMMETER 0-15A	10	4990
36	DC VOLTMETER 0-50V	5	2495
37	DC VOLTMETER 0-2V	5	2495
38	DC VOLTMETER 0-5V	12	5976
39	DC VOLTMETER 0-15V	5	2495
40	POWER SUPPLY 0-16V, 0-2A	15	87075
41	HALL PROBE N TYPE	2	1060
42	HALL PROBE P TYPE	2	1110
43	HALL PROBE (INAS) SOLDERED CONTACTS	2	3240

44	HALL PROBE STAND	2	160
45	HALL EFFECT SET UP	2	6120
46	ELECTRO MAGNET AIR GAP VARIABLE UPTO 100	2	35060
47	ELECTRO MAGNET AIR GAP VARIABLE UPTO 50	2	18180
48	CONSTANT CURRENT POWER SUPPLY MODEL DPS-175	2	13910
49	CONSTANT CURRENT POWER SUPPLY MODEL DPS-50	2	10010
50	DIGITAL GAUSS METER (DGM-102)	2	11130
51	WOODEN BOX FOR DARK ROOM	2	800
			513521



PHYSICS LAB

8) CHEMISTRY LAB

1	BOROSIL BURETT 50ML	20	2610
2	BEAKER	47	752
3	BURETT STAND	30	1320
4	FUNNEL	20	220
5	GRADUATED PIPETTE 5ML	20	180
6	VOLUMATIC PIPETT 20ML	25	250
7	REGANT BOTTLE 250 ML	50	1050
8	REGANT BOTTLE 1000 ML	20	1160
9	REGANT BOTTLE 60 ML	50	1695
10	BROWN BOTTLE 250ML	20	990
11	ELECTRICAL CENTRIFUGE	5	8550
12	SPATULA4"	20	93
13	WIRE GUAGE	100	405
14	TRIPOD STAND	20	320
15	CENTRIFUGE TUBE 15 ML	30	116
16	VISCO METER	3	180
17	STOP CLOCK	5	2155
18	WATER TROUGW PLASTIC	10	1500
19	CONICAL FLASK 100ML	50	600
20	CONICAL FLASK 2500ML	100	1400
21	CONICAL FLASK 500ML	50	1000
22	BUNSEW BURNER STAND 6"	30	600
23	FUNNEL 5 CM	75	1150
24	PIPPET 10ML,20ML,25ML	80	706
25	REAGENT BOTTLE 125ML	200	3400
26	MEASURING CYLINDER	10	1050
27	STANDARD MEASURING FLASK	40	1520
28	BEAKER GRADUATED 250,L	25	1175
29	FUNNEL 75ML	30	825
30	TEST TUBE	1010	2960
31	WEIGHT BOX	5	1200
32	HAND GLOVES	20	800
33	BALANCE	5	1500
34	CONDUCTO METER	2	7600
35	BEAKERS	60	800
36	REAGENT BOTTLE WHITE 500ML0	20	800
37	TEST TUBE STAND	50	770
38	BOILING TUBE	200	1040
39	MEASURING CYLINDER	20	1200
40	WASH BOTTLE WITH LID	60	1140
41	BOTTLE WITH STOPPER	60	1063
42	KIPPS APPARATUS	10	4250
43	BOILING TUBE	100	1800
44	EMPTY BOTTLE 2.5 LTRS	30	3000
45	SATURATED COLONAL ELECTRODE	6	1560
46	TEST TUBE HOLDER	50	400
47	CONDUCTANCE BRIDHE	3	8400

48	CLOUD AND POUR PAINT APPARATUS	2	2970
49	KINEMETER VISCOMETER FOR OSWAL VISCOMETER	2	21450
50	MEASURING CYLINDER 1000ML	20	1000
51	PLATINUM ELECTRODE	6	2820
52	DIGITAL POTENTIOMETER	6	15000
53	WESTERN STANDERD CELL ELECTRODE	6	3000
54	BUNSEN BURNER	30	1440
55	NICKEL SPATULA	30	900
56	HAND C ENTRIFUGE	10	2000
57	STANDARD MEAURING FLASK 100ML	40	1520
58	REAGENT BOTTLE WITH INTER CHNAGABLE STOPPER	20	4300
59	VISCO METER (AMBIKA)	2	9200
60	REAGENT NARROW MOUTH BOTTLE	20	2345
61	BURETT	70	5940
62	BURETT SCREW COCK	20	780
63	PENSKY MARTENS FLASH POINT APPARATUS	2	7000
64	REDWOOD VISCOMETER	2	7000
65	CLEAVETAND FLASH POINT & FIRE POINT APPARATUS	2	4600
66	ABELS FLASH POINT APPARATUS	2	6400
67	CONDRADSON CARBON RESIDUE APPARATUS	2	3200
68	RAMSBOTTOM CARBON RESIDUE APPARATUS	2	18000
69	THERMOMETER	6	1200
70	PIL BOMB CALORIMETER WITH ACESSORIES	3	81120
71	DISTILLATION SET WITH MANTLE	5	5750
72	SINGLE PAN DONA BALANCE	2	23400
73	PH METER	2	21828
74	GAS ANALYSIS BY ORSAT APPARATUS	1	3200
			334618



CHEMISTRY LAB

COMPUTING FACILITIES

All system have configuration as P-III & P-IV with 128 MB RAM, 20GB HDD, 1.44 FDD, 15" CDROM. Most of the computers are connected in LAN
Total number of systems connected by LAN: - 50
Total number of systems connected to WAN: -
Internet bandwidth: - 1 line with 2MBPS
Major software packages available: - Microsoft Windows 2000 Server with SBS, Norton Antivirus, Macromedia Flash , Macromedia Director, 3D Studio Max, AutoCAD LT-2000, Turboc C++ , Visual Studio



COMPUTER LAB

c. WORKSHOP

1) CARPETRY & SMITHY			
1	CHISEL	105	2020
2	HAND SAW	20	670
3	MARKING GUAGE	10	350
4	SAW	10	250
5	SLEDGE HAMMER	2	570
6	SHOVEL	2	220
7	JACK PLANE	15	3000
8	SMOOTHING PLANE	15	3900
9	JIG SAW MACHINE	1	7200
10	CIRCULAR SAW	1	6800
11	HAND BLOWER	3	780
12	CARPENTRY VICE	33	23034
13	WOODEN TURNING LATHE	1	21500
			70294

2) WELDING SHOP			
1	Arc welding transformer(Oil cooled)	2	41558
2	Electrode drying cabinet	1	16650
3	Oxy-Act. Mortorised cutting M/c.	1	14650
4	Work bench for welding	2	1720
5	Work bench for arc welding	3	2526
6	Platform for welding	3	1485
7	CUTTING TORCH	1	1400
8	2 STAGE REGULATOR	1	2800
9	WELDING CABLE	100MTR	12500
10	WELDING HOLDER	5	750
11	WELDING M/C	4	32000
12	WELDING TORCH	2	6400
			134439

3) M/C. SHOP & FITTING SHOP			
1	Eifeo make twin portable grinder	1	6675
2	Hydraulic portable floor crane	1	21142
3	Horizontal cutting band saw M/c.	1	
4	Vikram lathe	4	540214
5	Pedestal type drill	1	29990
6	Workshop press	1	43650
7	HMT Lathe NH-26	1	332706
8	HMT Universal Milling M/c.	1	313508
9	HMT Tool & Cutter Grinder	1	166358
10	Tausi Power cutting Hacksaw	1	19211
11	Pedestal twin grinder	1	20613

12	Column drilling M/c.	1	153660
13	Lifting & Pulling M/c.(Max pull)	1	7752
14	Ms work bench for fitting shop	2	11350
15	Ms work bench for 5'x3'x3'	11	21395
16	Iron table of 2 Mtr. length	5	21,000
			1709224



WORKSHOP

Simulator :

The institute has installed 210 MW Thermal Power Plant Training Simulator for on-job Training for BE power Engineering students also. This Simulator is a real time replica of Khaperkheda Thermal Power Plant UNIT No. 1



SIMULATOR

e. Games and Sports Facilities

Indoor Facility

- ❑ Table Tennis
- ❑ Badminton
- ❑ Carom
- ❑ Chess

Outdoor Facility

- Volleyball
- Football
- Cricket

f. Soft skill development Facility

- No of OHP- 10
- No of LCD projectors- 6
- No of Slide projectors- 2
- No of Laptop- 3
- No of Xerox machines- 2
- No of Printers- 10
- No of Scanners- 4

g. No of Class rooms – 10

No of Tutorial rooms – 10

No of Drawing halls – 01

No of Conference hall – 01

No of Auditorium – 01

Recreation Club

Dispensary

Officers & Staff Quarters



CLASS ROOMS



TUTORIAL ROOM



AUDITORIUM

h: Hostel Facility

- Old Boys Hostel – 120 rooms
- New Boys Hostel – 33 rooms
- Executive Hostel – 30 rooms
- Girls Hostel – 6 rooms



OLD HOSTEL BUILDING



EXECUTIVE HOSTEL BUILDING