

Multimedia CBT

In order to share enormous training information at the door step of Power Utilities and Engineering Institutes as well as in house training. A Multimedia Computer Based Training (CBT) Centre has been established at NPTI's Corporate Office and its Regional Institute for developing Multimedia CBTs on various Technical areas concerning Power Generation like : Thermal, CCGT/Gas, Thermal, Hydro, Renewable Transmission & Distribution and Management Areas.

Open Learning Centres (OL Cs) have also been established at all Regional Institutes for Self Learner at learner's own choice and pace without any help of the subject experts. CBT has been identified as one of the most cost effective means of delivering consistent high quality training. So far NPTI has developed more than **50 Multimedia CBTs** for power professionals and has been marketing them at reasonable prices to the Utilities and Educational Institutes.

Besides in house training in NPTI, these Multimedia CBT packages are being utilized by various Power Utilities / SEBs as well as Engineering Institutes for upgrading and enhancing their knowledge and skill.

POWER UTILITIES / SEBs

BHEL, MSEB, RRVUNL, NTPC, NHPC, NPC, PSEB, TNEB, OHPC, NLC, DVB, KLTPS, DVC, WBPDCL, IPPGCL, BBMB, BSES, TATPOWER, THERMAX, ACC, APSEB, NDPL, UPRVUN, BSEB, WSEB, etc.

ENGINEERING INSTITUTIONS

G.B Pant University of Agric. and Technology, NIT Raipur, NIT Durgapur, Jawaharlal Nehru Technological University (AP) Kalyani University (WB), CMERI, VNIT (Nagpur) Delhi College of Engineering, Bharati Vidyapeeth, Deemed University, Pune etc.

Advantages of Multimedia CBT

- Interactive
- Cost effectiveness
- Provides instant feed back
- Learner driven and not trainer driven

CBT Application Areas

- System description
- Process modeling
- Equipment operation

CBT Packages are Developed in the Areas of

- Thermal Generation
- CCGT
- Hydro Generation
- Transmission & Distribution
- Management
- Renewable.

Multimedia Computer Based Training (CBT) Packages

S. N.	Name of the Multimedia CBT Package	Price of 1 st copy	Price of 2 nd , 3 rd , & 4 th copy	All other copies
	Coal Thermal			
	A) Boilers			
1.	Combustion System in Boilers	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
2.	Boiler Drum and Drum Internals	-do-	-do-	-do-
3.	Super Heater, Re-heater and De-Super Heater	-do-	-do-	-do-
4.	Air Heater	-do-	-do-	-do-
5.	Fuel Handling System, Feed Heating System & Exhaust System	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
6.	CFB Boiler	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
	B) Turbines			
7.	Water/Steam cycle of a Thermal Power Plant	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
8.	Steam Turbine Construction	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
9.	Turbine Governing System (KWU)	-do-	-do-	-do-
10.	Regenerative Feed Heating System	-do-	-do-	-do-
11.	Turbine Vacuum System	-do-	-do-	-do-
12.	HP-LP Bypass System	-do-	-do-	-do-
13.	Turbine Lubricating Oil System	Rs.15,000/-	Rs.10,000/-	Rs.8,000/-
14.	P. I. D. Control	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
	C) Generators			
15.	Working Principles of Generator & Electrical Systems in a Thermal Power Station	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
16.	Generator Construction	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
17.	Generator Excitation System	-do-	-do-	-do-
18.	Generator Seal Oil System	-do-	-do-	-do-
19.	Generator Cooling System	-do-	-do-	-do-
	D) Auxiliaries			
20.	Power Station Fans	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
21.	Electrical Motors in Power Station	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
22.	Coal Mills & Milling Systems	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
23.	Electrostatic Precipitators	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
24.	Cooling Water System	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
25.	Compressed Air, Water Treatment & Fire Prevention Systems	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
26.	Lub Oil Handling System	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
27.	Coupling for Power Transmission	Rs.15,000/-	Rs.10,000/-	Rs.8,000/-
28.	Pumps used in Power Station	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
29.	Boiler Feed Pump for Power Station	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
30.	Valve Maintenance	Rs.15,000/-	Rs.10,000/-	Rs.8,000/-
	CCGT / Gas Thermal			
31.	Combined Cycle Gas Turbine (CCGT) Plant	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
32.	Gas Turbine	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
33.	Control System of CCGT Plant	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
34.	Water Treatment of CCGT	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
	Hydro			
35.	Hydro Generator Construction	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
36.	Silting Problems in Hydro Power Plants	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-

37.	Hydro Turbine	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
38.	Hydro Environment interface	Rs.15,000/-	Rs.10,000/-	Rs.8,000/-
39.	Hydro Generator Protection	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
40.	R & M for Hydro Power Station	Rs.10,000/-	Rs.8,000/-	Rs.6,000/-
	T & D			
41.	Power Transformers	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
42.	Condition Monitoring of Power Transformers	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
43.	Maintenance of Power Transformers	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
44.	Power Station Switchgear	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
45.	Switchgear Maintenance	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
46.	Sub Station Maintenance Management – A System Approach	Rs.15,000/-	Rs.10,000/-	Rs.8,000/-
47.	Drying out System of Power Transformers and Reactors	Rs.15,000/-	Rs.10,000/-	Rs.8,000/-
48.	Cable and Cable Jointing	Rs.25,000/-	Rs.15,000/-	Rs.12,000/-
49.	Motor & Motor Maintenance	Rs.15,000/-	Rs.10,000/-	Rs.8,000/-
50.	Battery and Battery Maintenance	Rs.15,000/-	Rs.10,000/-	Rs.8,000/-
	Renewable			
51.	Renewable Energies	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
	Management			
52.	Project Management through the Technology Consciousness	Rs.40,000/-	Rs.25,000/-	Rs.15,000/-
	Hindi			
53.	Rajbhasha Hindi Ki Sambhidhanic Sthiti and Karyalayeen Prayog	Rs.6,000/-	Rs.4,000/-	Rs.3,000/-
	Miscellaneous			
54.	Electrical Safety	Rs.10,000/-	Rs.8,000/-	Rs.6,000/-
55.	Coal to Electricity	Rs.10,000/-	Rs.8,000/-	Rs.6,000/-

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- 3 For a Order value Rs.11,20,000/- or above – 1 Personal Computer with printer + 1 LCD Projector or adjust Rs.1.00 Lakh.**

For more details, please write to:

**Director (CP),
NPTI Corporate Office, Sector-33,
Faridabad (Haryana) – 121 003
Ph: 0129 – 2270949, 2274916-17/Extn.–323 & 316**

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