

Unique Features of JIC Conventional NDT

➤ NDT Training Centre has unique status with the following features.

1. Inspection Equipments, Specimen and Calibration Block details.

i. INSPECTION EQUIPMENTS

METHOD	EQUIPMENT DESCRIPTION	QUANTITY
ET	MS 5800 which can perform ET, MFL, RFT, NFT , IRIS	01
UT	Epoch XT Ultrasonic Flaw Detectors	18
	Epoch 1000i Ultrasonic Flaw Detectors	01
	Panametrics 36 DL Plus Thickness Gage	05
RT	01-Yxlon Directional X-Ray Tube System.	01
MPT	Portable Electro Magnetic Yoke	10
	Permanent Magnet	04
	Magnetizing Coils	02
	Prod Unit	01



MS 5800



EPOCH XT



1000i



36DL PLUS



YXLON X-RAY



DELTA DUMMY
CAMERA



ELCTROMAGNETIC
YOKE



PERMANENT
MAGNET



COIL UNIT



PROD UNIT

ii. FLAWED SPECIMENS More than 290 specimens

Method	No. of Specimen for Training								No. of Exam Specimens					
	Plate	Pipe	T Joint	Y Joint	Nods	Nozzle	Forging	Tubes	Plate	Pipe	T Joint	Y Joint	Nods	Tubes
PT	12	1	6	1	2	2	N/A	N/A	4	3	1	N/A	N/A	N/A
MPT	18	3	10	N/A	2	1	9	N/A	4	1	N/A	1	1	N/A
UT	21	8	12	1	4	8	13	N/A	2	2	2	N/A	N/A	N/A
RT	17	7	2	N/A	N/A	N/A	N/A	N/A	3	2	N/A	N/A	N/A	N/A
VT	25	5	8	N/A	N/A	N/A	N/A	N/A	1	2	N/A	1	N/A	N/A
ET	N/A	N/A	N/A	N/A	N/A	N/A	N/A	54	N/A	N/A	N/A	N/A	N/A	8
Sub Total	93	24	38	2	8	11	22	54	14	10	3	2	1	8
Total	252								38					

iii. CALIBRATION BLOCK

CALIBRATION BLOCK DETAILS					
Item Description	No	Item Description	No.	Item Description	No
V1 BLOCK	14	CALIBRATION BLOCK ASME 2235 18INCHX6 INCHX 0.97"THICK	8	ASME BASIC CALIBRATION BLOCK 0-1"	5
V2 BLOCK	18	CALIBRATION BLOCK ASME 2235 18INCHX6 INCHX 1.97"THICK	8	ASME BASIC CALIBRATION BLOCK1- 2"	5
AWS RESOLUTION BLOCK	18	NAVSHIP BLOCK	13	ASME BASIC CALIBRATION BLOCK2-4"	5
DAC BLOCK 17.5 MM	5	STEP WEDGE	5		



V 1 BLOCK



V2 BLOCK



AWS RESOLUTION BLOCK



ASME BASIC CALIBRATION BLOCK



NAVSHIP BLOCK



STEP WEDGE

2. Training Modules:-

i. According to Recommended practice SNT-TC-1A: 2006 Edition

- Extensive use of ASNT Computer based CD-ROMs.
- ASNT Publications (training materials for MT, PT, UT, RT Methods) & Assessments.

ii. According to British Institute of NDT(BINDT), PCN Syllabus

- Approved PCN Training Material and presentations.



In-House Book produced by JIC NDT:

- Introduction to NDT
- Introduction to PAUT
- Introduction to TOFD
- Visual Testing
- Radiation Safety
- Eddy Current Testing



3. Associated with:

- Olympus (International Business / Training/Seminar-Workshop Partner).
- A-Star Training & Consultancy (International Business / Training Partner).
- American Welding Society (AWS) (International Agent).
- BINDT-PCN (Accredited Training Organization (ATO), (Ongoing Process).
- Authorized Qualifying Body (AQB), (Ongoing Process).

