



CIAT COURSE

(7 week)

(LWE BASED)

-:AIM:-

To prepare a quick action team, capable enough to operate effectively on specific int. and take required action during contingency situation to support entire security setup in LWE theatre.

-:TRAINING OBJECTIVES:-

At the end of training, participants will be able:-

- To have **endurance** for long range & multi days ops with full scale.
- To **analyze** terrain by using survey of India map.
- To **navigate** in day & night at any unfamiliar terrain using navigational gadgets.
- To **Plan** an operation using SOI maps & GIS.
- To effectively **shoot** (Shoot to kill) in combat situation.
- To **Detect and counter** IED in LWE infested area.
- To develop and sharpen tactical Skill to **operate** evasively.
- To **operate/conduct** various tactical operations effectively.
- To **fire** area weapons in critical situation (introductory fire).
- To **explain** various knowledge based subject (know your enemy & yourself) related to LWE.
- To **operate** 7 days self sustain exercise in jungle area in combat zone.
- To **develop** team spirit among team personnel.

WORK CHART

SL.N	SUBJECT	PERIODS
1.	Duration	07 weeks (06 weeks campus + 01 week jungle camp)
2.	No of days for campus training	36 days
3.	Total number of days for training	42 days
4.	Total no of periods in a day time	10 periods
5.	Duration of a period	40 min.
6.	Total day time periods to be covered during campus training	360 periods
7.	Total periods for night in campus	80
8.	Total periods for camp training	440
9.	Days for jungle survival	1 week (07 days & 6 nights)
10.	Total periods available for training	440 periods + one week jungle survival training

DISTRIBUTION OF PERIODS IN MODULES

MODULE	SUBJECT	DAY	NIGHT	TOTAL
MODULE-1 ENDURANCE TRAINING AND COMBAT CONDITIONING	ENDURANCE TRAINING	46	07	53
	CONFIDENCE COURSE	2	2	4
	TOTAL	48	09	57
MODULE-2 JUNGLE WARFARE TECHNIQUES	FIELD CRAFT	15	3	18
	TACTICS	59	43	102
	MAP READING	53	06	59
	GIS & MODERN NAVIGATIONAL SOFTWARE	38	04	42
	EXPLOSIVE and IED	33	-	33
	TOTAL	198	56	254
MODULE-3 ALLIED SUBJECT	ALLIED	22	-	22
	AREA WEAPON TRAINING	12	03	15
	INTELLIGENCE	08	-	08
	SPECIAL EQUIP. & COMMUNICATION	11	5	16
	TOTAL	53	8	61
MODULE-4 MUSKETRY, FIRING PRACTICES & FIELD FIRING	MUSKETRY	8	1	9
	FIRING	16	6	22
	FIELD FIRING	14	-	14
	TOTAL	38	7	45
MODULE-5 MISCELLANEOUS	OPENING/CLOSING	2	-	2
	GROUP EXCELLENCE	10	-	10
	TEST	6	-	6
	FEED BACK	1	-	1
	WEAPON MAINTENCE	2	-	2
	MISC. (EXPERIENCE SHARING BY GUEST SPEAKER)	2	-	2
	TOTAL	23		23
TOTAL OF MODULES (1 to 5)		360	80	440
MODULE-6 SURVIVAL TRAINING	JUNGLE SURVIVAL	7 DAYS AND 6 NIGHTS FOR JUNGLE SURVIVAL		
	TOTAL			

DETAILED SYLLABUS
MODULE-1
ENDURANCE TRAINING (PERIODS- 57)

S.N	SUBJECT	lecture	demo	practice	night	total
1.	PHYSICAL CONDITIONING	-	-	8	-	08
2.	CCR	-	-	10	-	10
3.	BOAC	-	-	8	04	12
4.	BPET	-	-	10	-	10
5.	15 KM RUN AND WALK WITH 9 KG WEIGHT	-	-	3	1	4
6.	20 KM RUN AND WALK WITH 9 KG WEIGHT	-	-	5	2	7
7.	YOGA			2	-	2
8.	Slithering	-	-	2	2	4
G.TOTAL		-	-	48	09	57

MODULE-2
JUNGLE WARFARE TECHNIQUES (PERIODS- 254)

1. FIELD CRAFT						
S.N	SUBJECT	LECTURE	DEMO	PRACTICE	NIGHT	TOTAL
1.	FIELD CRAFT & FIELD SIGNAL (REINFORCEMENT OF PREVIOUS KNOWLEDGE)	4	-	-	-	4
2.	GROUND & COVER	2	-	-	-	2
3.	JUDGING DISTANCE	-	2	-	-	2
4.	INDICATION OF TARGET	2	-	-	-	2
5.	OBSERVATION AND LISTENING POST	1	-	-	2	3
6.	CAMOUFLAGE AND CONCEALMENT	-	1	1	-	2
7.	INDIVIDUAL STALKING	-	1	1	1	3
8.	TOTAL	9	4	2	3	18
2. TACTICS						
1.	TACTICAL MOVEMENT	1	-	1	2	4
2.	FORMATION OF MOVEMENT	-	-	1	-	1
3.	EVASIVE MOVEMENT	1	-	-	2	3
4.	SMALL TEAM CONCEPT	2	-	-	-	2
5.	APPRECIATION OF SITUATION & PLANNING OF OPERATION	2	-	-	-	2
6.	BRIEFING (USING SAND MODEL, EYE SKETCH & GIS)	2	-	2	-	4
7.	RV & LUP	2	2	-	4	8
8.	APPROACH TO TARGET AND TARGET RACCEE	2	-	-	2	4
9.	PATROLING & TRACKING	2	-	-	-	2
10.	ROP AND CONVOY PROTECTION	2	-	5	-	07
11.	CASE STUDY BASED ON ROP	2	-	-	-	2
12.	AMBUSH	2	2	-	3	7
13.	COUNTER AMBUSH	2	2	2	6	17
14.	CASE STUDY ON AMBUSH AND COUNTER AMBUSH	-	-	-	2	PAGE- 4/7
15.	SADO	2	-	2	6	10
16.	ROOM INTERVENTION	2	1	-	-	3
17.	VIOLENT RAID	2	-	-	3	5
18.	CASE STUDY ON SADO AND RAID	2	-	-	-	2
19.	CAMP SECURITY	-	-	-	2	2

20.	CASO	2	-	2	6	10
21.	IA DRILL	1	-	2	-	3
22.	CAMP ATTACK	-	-	-	1	1
23.	SITUATION RESPONSE EXERCISES	-	-	2	-	2
24.	FILM ON JUNGLE WARFARE & LWE ACTIVITIES	-	-	-	4	4
25.	TOTAL	33	7	19	43	102

3- MAP READING

1.	INTRO TO TOPOGRAPHICAL MAP	2	-	-	-	2
2.	CONVENTIONAL SIGN (ONLY SURVEY SIGN)	1	-	-	-	1
3.	DIRECTION & FINDING NORTH (FINDING NORTH IN NIGHT WILL BE PRACTICED DURING NIGHT EXERCISES)	2	-	1	-	3
4.	COMPASS AND SERVICE PROTECTOR	2	-	-	-	2
5.	BEARING	1	-	1	-	2
6.	DAY AND NIGHT MARCH CHART	1	-	2	-	3
7.	RELIEF	2	1	2	-	5
8.	SETTING OF MAP	1	-	2	-	3
9.	FINDING OWN POSITION	1	-	2	-	3
10.	GROUND TO MAP AND MAP TO GROUND	1	-	1	-	2
11.	MAP REFERENCE (GRID)	2	-	2	-	4
12.	MAP REFERENCE (GEO) & PREPARATION OF ROMAR	2	-	3	1	6
13.	NAVIGATION WITH THE HELP OF COMPASS	-	-	3	2	5
14.	INTRODUCTION TO GPS	1	-	-	-	1
15.	SETTING OF GPS, POSITION FORMAT, MAP DATUM & FINDING OWN POSITION (METHOD-GUIDED PRACTICE)	-	-	-	2	2
16.	FEEDING OF CO-ORDINATES, NAVIGATION & MAKING TRACKS (METHOD-GUIDED PRACTICE)	-	-	3	1	4
17.	SITE-N-GO, TRACK BACK & SHARE WIRELESSLY WITH GPS	1	-	1	-	2
18.	NAVIGATION WITH THE HELP OF GPS	-	-	5	-	5
19.	SKILL TEST AND REVISION	-	-	4	-	4
20.	TOTAL	20	1	32	06	59

NOTE-EXTRA CLASSES FOR GO'S AND SO'S ON MAP INDEXING SYSTEM & LONGITUDE, LATITUDE AND ADVANCE MAP READING DURING VARIOUS PRACTICE SESSION AFTER ACHIEVING OBJECTIVE OF PRACTICE SESSION.

4- GIS & MOBILE NAVIGATIONAL APPS.

1.	OPS PLANNING ON GOOGLE EARTH & SAVING FILE IN KML/KMZ (METHOD- GUIDED PRACTICE)	-	-	8	-	8
2.	GPS BABEL AND MAP SOURCE (DATA TRANSFER FROM DEVICE TO GPS AND GPS TO DEVICE) (METHOD- GUIDED PRACTICE)	-	-	4	-	4
3.	TERRA EXPLORER (METHOD- GUIDED PRACTICE)	-	-	4	-	4
4.	MAVERICK (METHOD- GUIDED PRACTICE)	-	-	10	2	12
5.	ORUX (METHOD- GUIDED PRACTICE)	-	-	10	2	12
6.	TERRAIN MAPPING & INCIDENT LODGING ON GIS PLATFORM	-	-	2	-	2
7.	TOTAL	-	-	38	4	42

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5- EXPLOSIVE AND IED

1.	EXPLOSIVE, CLASSIFICATION AND EFFECT OF EXPLOSION	2	-	-	-	2
2.	INTRO TO VARIOUS EXPLOSIVE KEPT IN KOTE	2	-	-	-	2
3.	CHAIN OF DETONATION	1	1	-	-	2

4.	IED : AND ITS ELEMENTS	2	-	-	-	2
5.	LATEST TRENDS IN IED	2	-	-	-	2
6.	VISIT TO IED MODEL ROOM	2	-	-	-	2
7.	SEARCH TECHNIQUES OF IED.	-	-	2	-	2
8.	IED- DO'S AND DONT'S	2	-	-	-	2
9.	HHMD & DSMD	1	-	1	-	2
10.	VISIT TO IED LANE	-	2	2	-	4
11.	PREPARATION & LIVE DEMO OF DEMOLITION SET	-	2	-	-	2
12.	MPV	1	-	-	-	1
13.	SNIFFER & TRACKER DOG	1	-	-	-	1
14.	CASE STUDY BASED ON IED	4	-	-	-	4
15.	SKILL TEST AND REVISION	-	-	3	-	3
16.	TOTAL	20	5	8	-	33

MODULE-3
ALLIED SUBJECTS (PERIODS- 61)

1. ALLIED						
S.N	SUBJECT	LECTURE	DEMO	PRACTICE	NIGHT	TOTAL
a) KNOW YOUR ENEMY						
1.	GUERRILLA WARFARE AND GUERRILLA SUPPLY SYSTEM	2	-	-	-	2
2.	NAXLISM	2	-	-	-	2
3.	ORGANISATIONAL SETUP OF NAXALS	2	-	-	-	2
4.	MODUS OPERENDI OF NAXALS	2	-	-	-	2
5.	STATE WISE ORGANISATIONAL SETUP & MODUS OPERENDI OF NAXAL	2	-	-	-	2
b) MISCELLANEOUS						
6.	LEGAL ASPECTS IN CI OPS AND HUMAN RIGHTS	2	-	-	-	2
7.	CASUALTY EVACUATION	-	2	2	-	4
8.	FIRST AID	2	-	2	-	4
9.	HELICOPTER SENSITISATION AND SECURITY OF FUNNEL AREA	2	-	-	-	2
10.	TOTAL	16	2	4	-	22
2) AREA WEAPON TRAINING						
1.	51 MM MORTAR AND USE OF DIAL SITE	-	-	2	-	2
2.	UBGL	1	-	2	1	4
3.	CGRL	1	-	2	1	4
4.	AGS	-	-	2	-	2
5.	MMG	-	-	2	1	3
6.	TOTAL	2	-	10	3	15
3) INTELLIGENCE						
1.	INTELLIGENCE, COUNTER INTELLIGENCE & VARIOUS INT TERMINOLOGY	3	-	-	-	3
2.	INTERROGATION & IT'S TECHNIQUES	2	-	-	-	2
3.	COVER, ALIAS & DISGUISE	1	-	-	-	1
4.	CLANDESTINE CONTACT & COMMUNICATION	2	-	-	-	2
5.	TOTAL	08	-	-	-	08
4) COMMUNICATION & SPECIAL EQUIPMENT						
1.	NVD (MONOCULAR & BINOCULAR)	1	-	-	2	3
2.	TELESCOPIC & PASSIVE NIGHT SIGHT AND ITS ZEROING WITH WEAPON	1	-	-	2	3
3.	HHTI	1	-	1	1	3
4.	TRACKER	1	-	-	-	1

5.	SATELLITE PHONE	1	-	-	-	1
6.	INTRODUCTION WITH HF, VHF SET & MAN PACK SETS	2	-	-	-	2
7.	REDIO TELEPHONY (DIGITAL REDIO SET)	1	-	1	-	2
8.	UAV	1	-	-	-	1
9.	TOTAL	9	-	2	5	16

MODULE-4

MUSKETRY, FIRING PRACTICES & FIELD FIRING (PERIODS- 45)

i- MUSKETRY						
1.	PRINCIPLE OF ACCURATE SHOOTING	2	-	2	-	4
2.	ZEROING OF WEAPONS	-	-	2	-	2
3.	MUSKETRY	-	-	2	1	3
4.	TOTAL	2	-	6	1	9
ii- SMALL ARMS FIRING & FIELD FIRING						
1.	SMALL FIRING PRACTICES	-	-	16	6	22
2.	FIELD FIRING (51 MM MORTAR, UBGL, CGRL, AGS, MMG & HAND GRENADE)	-	-	14	0	14
3.	TOTAL	-	-	30	06	36

MODULE-5

MISCELLANEOUS (PERIODS- 23)

1.	OPENING	1	-	-	-	1
2.	CLOSING	1	-	-	-	1
3.	FEED BACK	1	-	-	-	1
4.	WEAPON MAINTENANCE	-	-	2	-	2
5.	GROUP EXCELLENCE GAMES(FOR TEAM BUILDING PURPOSE)	-	-	10	-	10
6.	FINAL TEST (WRITTEN TEST)	6	-	-	-	6
7.	MISC. (EXPERIENCE SHARING BY GUEST SPEAKER)	2	-	-	-	2
8.	TOTAL	11	-	12	-	23

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MODULE-6

JUNGLE SURVIVAL SKILL (7 DAYS & SIX NIGHTS)

1	CHARACTARISTIC OF JUNGLE, JUNGLE METAPHORE & JUNGLE SURVIVAL SKILL	2	-	-	-	2
2	VARIOUS DISEASES IN JUNGLE AREA AND IT'S PRECAUTIONS	2	-	-	-	2
DAY	EXERCISE					
D 1	PLANNING, BRIEFING AND MOVE FOR EX PADAV (LUP)					
D 2	PLANNING, BRIEFING AND MOVE FOR EX- BARBAAD (RAID)					
D 3	DEBRIEFING OF BARBAAD AND PLANNING, BRIEFING & MOVE FOR EX- FANDA (AMBUSH)					
D 4	DEBRIEFING OF AMBUSH AND PLANNING, BRIEFING & MOVE FOR EX- VINASH (SADO)					
D 5	DEBRIEFING OF SADO AND PLANNING, BRIEFING & MOVE FOR EX- RANVIJAY (TRACKING & PURSUIT) AND DEBRIEFING OF EX-RANVIJAY					
D 6	CAMP ATTACK, PLANNING, BRIEFING, MOVE FOR EX- BIRYANI (RACE BACK TO CAMP AND APPRECIATION & EXECUTION TO VARIOUS SITUATION)					
D 7	CONTINUE TO EX- BIRYANI (RACE BACK TO CAMP AND APPRECIATION & EXECUTION TO VARIOUS SITUATION)					
NOTE:-	SITUATION RESPONSE EXERCISES WILL BE CONDUCTED IN LUP DURING BRIEFING AND DEBRIEFNG SESSION ON DAILY BASIS.					

**FOR IGP/PRINCIPAL
CIAT SCHOOL SHIVPURI**