

**GOVERNMENT OF GOA
GOA STATE FIRE FORCE TRAINING CENTRE
DIRECTORATE OF FIRE & EMERGENCY SERVICES
ST. INEZ, PANAJI, GOA**

COURSE

**SYLLABUS FOR USAR, MFR & FIRE FIGHTING TRAINING TO
STATE DISASTER RESPONSE FORCE (SDRF) – (GOA)**

COURSE DURATION

1. Duration of Course : 03 Weeks **(Non-Residential)**
2. No. of working days available : 17 (except Sundays, 2nd Saturdays & GH)
3. Full working days : 15
4. Half working days : 02
5. Nos. of Periods in full working day : 07 [(07 x 14 = 98) + (4 x 1 = 4)]
6. Nos. of Periods in half working days. : 02 (02x 03 = 06)
7. No. of Periods available : 108

DAILY SCHEDULE

Duration	Programme	Duration	Programme
09.30 – 09.40	Morning Roll Call	12.40 – 14.40	Lunch Break
09.40 – 10.20	1 st Period	14.40 – 15.20	5 th Period
10.20 – 11.00	2 nd Period	15.20 – 16.00	6 th Period
11.00 – 11.20	Tea Break	16.00 – 16.20	Tea Break
11.20 – 12.00	3 rd Period	16.20 – 17.00	7 th Period
12.00 – 12.40	4 th Period		

BLOCK SYLLABUS

Sr. No.	Subject	Periods to be assigned			
		Theory	Demo	Practical	Total
1.	Registration and Inauguration.	2	-	-	2
2.	Medical First Response.	22	08	20	50
3.	Collapsed Structure Search and Rescue.	14	07	22	43
4.	General Fire Fighting and Control.	04	01	02	07
5.	Maintenance of Equipments.	-	-	02	02
6.	Course Review, Feedback & Valedictory	04	-	-	04
Total Periods:-		46	16	46	108

DETAILED SYLLABUS

Sr. No.	Subject	Theory	Demo	Practical	Total
1.	Registration and Inauguration, Course Introduction Purpose, Objectives and methodology, inaugurations.	2	-	-	2
<u>MEDICAL FIRST RESPONDER (MFR)</u>					
2.	Introduction of MFR (Medical First Responder).	1	-	-	1
3.	The Emergency Medical Services System and the Medical First Responder.	1	-	-	1
4.	The Incident	1	-	-	1
5.	Infectious Disease precautions	1	-	-	1
6.	Anatomical Reference	1	-	-	1
7.	Patient Assessment	2	1	2	5
8.	Basic Life Support and Cardiopulmonary Resuscitation (BLS & CPR)	1	1	4	6
9.	Oxygen Therapy	1	-	1	2
10.	Hemorrhage and Shock	1	-	-	1
11.	Soft Tissue Injuries	1	1	2	4
12.	Musculoskeletal Injuries	2	2	2	6
13.	Skull, Spinal and Chest Injuries	2	2	1	5
14.	Burns and environmental emergencies.	1	-	-	1

15.	Poisoning, Bites and Stings.	1	-	-	1
16.	Medical Emergencies Part 1 – Cardiovascular Emergencies and Abdominal Distress.	1	-	-	1
17.	Medical Emergencies Part 2 – Respiratory Emergencies.	1	-	-	1
18.	Medical Emergencies Part 3 – Seizures, Diabetic Emergencies and Cardiovascular Accidents.	1	-	-	1
19.	Lifting and moving patients	1	1	1	3
20.	Report writing and preparing for next call	-	-	1	1
21.	Multiple Casualty Incident and Triage.	1	-	1	2
22.	Presentation of MFR by Participants. <i>(Group Presentation)</i>	-	-	5	5
Total Periods:-		22	08	20	50

URBAN SEARCH AND RESCUE (USAR)/COLLAPSED STRUCTURE SEARCH AND RESCUE(CSSR)

Sr. No.	Subject	Theory	Demo	Practical	Total
1.	Introduction of USAR/CSSR	1	-	-	1
2.	Organizing and Starting a USAR/CSSR Operation	1	-	-	1
3.	Construction Materials Structures and Damage Types.	1	-	-	1
4.	Structural Triage and the INSARAG (International Search and Rescue Advisory Group) Marking System.	2	2	-	4
5.	Operational Safety	1	-	-	1
6.	Search and Location Techniques	1	1	2	4
7.	Tools, Equipments and Accessories (TEA)	1	1	4	6
8.	Rescue Strategies and Techniques.	2	1	4	7
9.	Shoring Methods	2	1	2	5
10.	Lifting and Stabilizing Loads	1	1	2	4
11.	Pre-Hospital Treatment	1	-	1	2
12.	Simulation exercise on USAR/CSSR	-	-	7	7
Total Periods:-		14	07	22	43

GENERAL FIRE FIGHTING AND CONTROL

1.	Introduction	1	-	-	1
2.	General Fire Fighting and Control - Chemistry of Fire, Classification of Fire, Causes & Principles of Fire Extinction.	1	-	-	1
3.	Types of Portable Fire Extinguishers and its applications.	1	-	-	1
4.	Different types of Nozzles and Foam making branch.	1	-	-	1
5.	Use & Maintenance of Portable Fire Extinguishers, Operation of Fire Fighting Pumps and various Fire Fighting Nozzles.	-	1	-	1
6.	Live Fire Demonstration and Use & Maintenance of Portable Fire Extinguishers, Operation of Fire Fighting Pump and various Nozzles.	-	-	2	2
Total Periods:-		4	1	2	7
1.	Maintenance of Equipments	-	-	2	2