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STANDARD OPERATING PROCEDURE ON *One Minute Drill & Professional Competition*

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National Disaster Response Force
Government of India

Foreword



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National Disaster Response Force is the single largest dedicated disaster response force in the world. NDRF has time & again proved its mettle in the realm of disaster response and disaster risk reduction. Despite multidimensional challenges, the brave-hearts of NDRF have always led from the front, displayed high level of dedication & commitment towards our motto **आपदा तब ही है वहाँ** which implies Sustained Disaster Response Service everytime everywhere. Professional competitions provide opportunities to sharpen the skill set, improve standards of efficiency and inculcate a culture of discipline.

The aim of this SOP is to provide the framework for the all professional competitions and improve the operational efficiency to save human lives at the time of disaster in a highly professional manner within least possible time. This generates a sense of competitive spirit & fervour amongst all the personnel of the Force. Competitions act as a motivator for the participants to put in more effort and achieve better results.

This SOP contains comprehensive guidelines for holistic assessment and to sharpen the skill set during the One Minute Drill & Professional Competitions and would ensure transparency and smooth conduct of the event. It provides guidance and assigns responsibilities to the Unit Commandants for preparations on all parameters of the competitions for which Units shall be assessed.

I am confident that this SOP would prove very useful for all Battalions, Zones and Trg Branch HQ NDRF to ensure smooth and efficient conduct of One Minute Drill & Professional Competitions. I would also like to exhort upon all Field Commanders to organize One Minute Drill & Professional Competition with aim to increase professional efficiency.

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STANDARD OPERATING PROCEDURE (SOP) FOR ONE MINUTE DRILL & PROFESSIONAL COMPETITION

1. INTRODUCTION:

Professional competitions provide opportunities to sharpen the skill set, improve efficiency standards and inculcate the culture of discipline. Competitions act as a motivator for the participants to put in more effort, and achieve better results. Indeed, competition increases physiological and psychological activation, which prepares body and mind for increased effort and enables higher performance and more mental toughness to overcome challenges in a better manner.

One minute drill and professional competitions in NDRF would definitely enhance the skill sets, operational standards and competitive spirit among the NDRF rescue teams by setting new benchmarks in response drills, thereby improving operational efficiency to save more human lives at the time of disasters within least possible time.

2. SCOPE OF SOP:

- a. To define a '*Standard Operating Procedure*' for smooth conduct of 'One Minute Drill' and other Professional Competitions in NDRF.
- b. To provide framework for competitions that will ensure the standards and fairness of competition at all levels.

3. AIM:

The aim of this Standard Operating Procedure (SOP) is to formulate guidelines for conducting one-minute drill and professional competition between NDRF units. These competitions contribute toward higher cohesiveness amongst the team and development of physical and mental strength of rescuer.

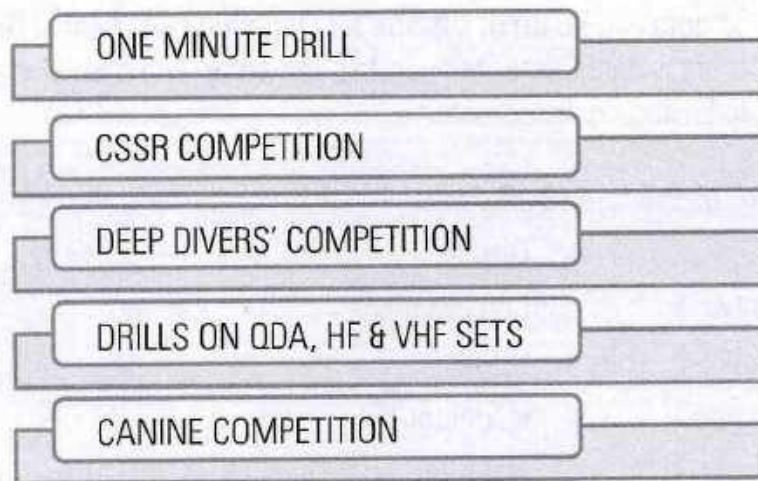
4. OBJECTIVE:

- The objective of this SOP is to assess proficiency in established procedures for actual operations during any disaster.
- To enhance the skill sets operational standards and competitive spirit of the NDRF rescuers during various disaster search and rescue operations.
- To generate the sense of competitive spirit & fervour amongst all the personnel of the Force.

5. GUIDELINES:

1. Events:-

Events for one minute drill and professional competition are as under:



2. Responsibilities:

a) Unit commandant:-

- i. Unit Commandant to select teams of various disciplines after conducting Inter-Coy Competition well before the commencement of Intra Zonal Competition. Inter-Coy One Minute Drill & professional Competition shall be conducted under direct supervision of Unit Commandant.
- ii. The organizing unit has to issue the detailed joining & administrative instructions and guidelines for smooth conduct of the competition.

b) DIG (Zonal):-

- i. The DIG (zone) shall be responsible to conduct the Intra Zonal One Minute Drill & professional Competition in their zone.
- ii. Venue for Inter Bn Sports Competition of their zone will be decided by respective Zonal DIG.
- iii. To detail a Board of Officers (BOO) for One Minute Drill & professional Competition of their zone as follows:-

Board of Officers (BOO)*

Presiding Officer:- Commandant/2IC

Member-1 DC/AC

Member-2 Inspector/GD

Member-3 Insp(JE/Comm/Deep Diver/Vet- as per events)

(* BOO will be detailed from other NDRF units except organizing unit)

- iv. Overall supervision of Conduct of Intra Zonal One Minute Drill & professional Competition in fair, impartial and cordial manners in their zone.

c) Directorate (Trg) HQ NDRF:-

- i. To plan and circulate schedule & Venue for "Annual Intra Zonal & Inter Zonal One Minute Drill & professional Competition Calendar" in the month of January every year.

- ii. To detail an Board of Officers for Organizing Inter Zonal One Minute Drill & professional Competition in fair, impartial, and cordial manner as per the following compositions :-

Board of Officers (BOO)*

PO:-	DIG
Member-1	Commandant
Member-2	DC/AC
Member-3	Inspector/GD
Member-4	Insp(JE/Comm/Deep Diver/Vet- as per events)

- iii. It shall be the responsibility of the Presiding officer as well as the members of the duly constituted committee who shall be responsible for smooth conduct of the sports competition, to ensure that all aspects of this SOP are adhered in the letter and spirit.
 - iv. The Board of Officers should not be nominated from the participating BNs.
 - v. To scrutinize the proceedings prior to the approval of DG NDRF for declaring the overall winner of the One Minute Drill & professional Competition well before the NDRF raising Day every year .
- d) Directorate (Administration) HQ NDRF
- To arrange the rolling championship trophy along with the replica for the overall winner & runner up Bn.

3. Norms for Participants:-

- i. The team should consist of at least 50% new participants, who haven't participated in this competition earlier.
- ii. A participant can participate in maximum two competitions.
- iii. Only medically, physically and mentally fit NDRF personnel can participate in the competition. Medical fitness Certificate will be produced by participating teams of all battalion before the commencement of competition.
- iv. All participating teams will carry all necessary equipment and accessories as instructed before the competition.
- v. All participants will carry uniform, PPE and kit as per NDRF SOP for different disasters.

4. Medical Facility:

Organizing unit would ensure proper emergency medical facility at the competition venue. A medical officer, paramedic staff and an ambulance with all necessary arrangements would be kept ready all the time.

5. Firefighting Equipment's:

Organizing unit will ensure that sufficient firefighting equipment i.e. Fire extinguisher, water tanker with pump, blankets, sand etc. are available at competition venue.

6. Safety Officer:

A dedicated suitable safety officer for every event will be detailed by BOO to ensure safe procedures. He may be from the BOO or otherwise & all events should be completed by taking necessary precautions.

7. Budget:

Every year adequate budget is being allotted to all Bn under appropriate heads. Same may be utilized for expenditure during One Minute Drill & professional Competition.

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6. ONE MINUTE DRILL COMPETITION

AIM: To evaluate the capability and skills of NDRF rescue teams during various disaster search and rescue operations. However, the name says "One Minute Drill", the actions may be conducted even beyond that period, giving due care to safety of rescuers/victims, and safe handling of equipment.



SAFETY/SECURITY: The detailed BOO will examine the equipment's of all the teams before the start of the competition. The board would ensure the safety of teams during competition and also confirm that there is no irregularity during the competition.

TEAM COMPOSITION: SOs -01 & ORs -17 Total = 18 (Including reserve).

VENUE: Competition will be conducted in any neutral NDRF battalion having sufficient infrastructure to organize such competition e.g. props, debris, collapsed structure and site for CSSR ops.

1. The equipment to be used in the competition are as follows:

1. CHAIN SAW
2. ROTARY RESCUE SAW.
3. HYDRAULIC CUTTER CUM SPREADER
4. CHIPPING HAMMER
5. RECIPROCATING SAW
6. PORTABLE INFLATABLE EMERGENCY LIGHTING SYSTEM
7. IRB ASSEMBLING DRILL
8. DONNING OF CBRN PPE

The model and specification of the equipment will be communicated to units by organizing Bn communicated through joining instructions well in advance.

2. One minute Drill will be conducted in following format:

SL	EVENTS	MARKS
1.	EQUIPMENT ASSEMBLING AND HANDLING	10
2.	FAULT FINDING	05
	TOTAL MARKS PER EQUIPMENT	15

For equipment handling, all participating members will compete for one equipment at a time. However BOO may decide the sequence as per resources.

I. CHAIN SAW:- (01 PARTICIPANT)

- a. Equipment will be in stripped condition in following sequence-From left to right- chain, guide drill bar, spike, bolts, spanner and chain saw.
- b. The participant has to assemble the equipment and prepare the equipment for cutting.
- c. Thereafter, the participant would cut two wooden props 3 meter apart, in standing and kneeling positions. Buddy may be detailed for safety.

Method of Evaluation	
Equipment assembling: All the participants have to assemble in the following manner.	1. Proper fitting of chain with guide bar (not very tight or loose). 2. Ensure that the chain on guide bar should not be in opposite direction. 3. Proper checking of lubricant in chain (Equipment should be tilted to check).
Equipment handling & Safety Procedures	1. About the RPM. 2. Before touching cutting object, full RPM should be provided. 3. Ensure the equipment is in full RPM when taken out from the object. 4. Ensure proper engine oil as per equipment specification (2 stroke or 4 stroke). 5. Ensure proper positioning and safety precaution followed (Buddy system). 6. Ensure which environment the equipment can be operated (gasoline free).
Fault and troubleshooting	1. Engine not starts- a) Check the fuel, refueling with proper mixture of 2T oil etc. b) Check the spark plug 2. Loose of chain- checks the chain tension if require adjust them 3. Not lubricants in chain- check the lubricant oil. 4. Equipment made for which type of material (wood, metal, concrete)

Marking Sheet:

Sl. No.	Name of Equipment	Name & unit of participant	Time taken	Position in group	Total Marks	Negative marking for mistakes (Mark for each mistake)	Yes	No	Effective Marks
01.	Chain Saw (Carbide tipped)	Name : Unit.....		First	10	1. Not checking fuel/ lubricating oil (-1 Mark)			
				Second	08	2. Not ensuring chain/ blade is properly fit/ Reverse(-1 Mark)			
				Third	07	3. Not give full RPM while touching object/ removing from object (-1 Mark)			
				Fourth	06	4. Positioning and safety precaution (-4 Mark) 5. Task not completed. (Two separate wooden props 3 Mtr apart in standing and kneeling position for vertical & horizontal cutting respectively) (-4 Mark)			

II. ROTARY RESCUE SAW (01 PARTICIPANT)

- Equipment would be kept in stripped condition in following sequence-From left to right- Blade and its washers, Allen key, equipment and prepare the equipment for cutting.
- Then the participant will be required to cut concrete slab of 10 inch in standing position. Buddy may be detailed for safety.



Method of Evaluation	
Equipment assembling	1. Choose the appropriate disc. 2. Insert the Allen key into hold opening way and turn the disc until the shaft is block. 3. Tighten the screw with the combination wrench 4. Check fuel 5. Insert water pump and tighten carefully 6. Operate pump until a pressure of 6 bar reached (red mark) 7. Push the combination switch(choke) up position (if not start in "I" position) 8. Press the decompression valve
Equipment Handling and Safety Procedure	1. About the RPM. 2. Make sure that pressurized water tank is connected with RR saw only when diamond blade is used. 3. About the engine (2 stroke or 4 stroke) and fuel used (whether 2T oil used or not). 4. Ensure proper position and safety precaution followed (Buddy system). 5. Ensure which environment the equipment is operated (closed place)
Identification of fault and troubleshooting Application of equipment	1. Disc does not start turning/rotating. 2. Engine doesn't start. 3. Engine starts but dies immediately. 4. Insufficient power. 5. Equipment made for which type of material (wood, metal, concrete)

Marking Sheet:

Sl. No.	Name of Equipment	Name & unit of participant	Time taken	Position in group	Total Marks	Negative marking for mistakes (Mark for each mistake)	Yes	No	Effective Marks
01	Rotary R. Saw (Gasoline)	Name :		First	10	1. Not selecting proper blade/ensuring blade properly fit. (-1 Mark)			
				Second	08	2. Not checking fuel. (-1 Mark)			
		Unit.....				3. Not filling adequate pressure in water can. (-1 Mark)			
				Third	07	4. Not give full RPM while touching object/ removing from object (-1 Mark)			
				Fourth	06	5. Positioning and safety precaution. (-4 Mark)			
						6. Task not completed. (To cut concrete slab up to 10 inch X ½ inch) (-4 Mark)			

III. HYDRAULIC CUTTER CUM SPREADER (01 PARTICIPANT)

- a. Equipment will be stripped condition in following sequence-From left to right- cutter head, hydraulic pressure pipe and hydraulic engine.



- b. The participant will be required to assemble the equipment and prepare the equipment for cutting.
- c. Then the participant will be required to cut iron rod of diameter 2 & 4 inch thickness in standing position and spread a tin sheet of 05 mm up to 05 inch wide. Buddy may be detailed for safety.

Method of Evaluation	
Equipment assembling	1. Connect the female end of connector pipe to combination cutter. 2. Connect the male end of connector pipe to engine. 3. Ensure that while assembling connecting pipe should not be overlap. 4. Check the fuel (Gasoline), hydraulic oil and M-oil. 5. After starting the engine, change choke mode to RUN condition. 6. After RUN the engine, tight the pressure lever towards "1" and operates the combination cutter machine. 7. Before stopping the engine, combination cutter blade should be closed (not completely). 8. Release the pressure lever towards "0"
Equipment Handling and Safety Procedure	1. Quantity of Hydraulic oil used 2. Knowledge about switches 3. Use PPE. 4. Don't overreach 5. Keep proper footing and balance at all times.
Identification of fault and troubleshooting	1. Jaws don't move properly-Insufficient Hydraulic oil. 2. Cutting efficiency not proper –Check for cutting edges of Jaws. 3. Spread the jaw. 4. Connect the adapter to the jaw. 5. Connect chain to the stable load and the unstable load to the adaptor. 6. Close the jaw with the help of controller

Marking Sheet:

Sl. No.	Name of Equipment	Name & unit of participant	Time taken	Position in group	Total Marks	Negative marking for mistakes (Mark for each mistake)	Yes	No	Effective Marks
01	Hydraulic cutter cum spreader	Name : Unit....		First	10	1. Not uncoiling the overlap of hydraulic pressure pipe (-1Mark) Opening of hydraulic pressure knob before connecting hydraulic pressure pipe to cutter head. (-1 Mark)			
				Second	08	2. Positioning and safety precaution. (-4 Mark)			
				Third	07	3. Jaw remains open after cutting and spreading (-1 Mark)			
				Fourth	06	4. Task not completed. (To cut iron rod of 4mm thickness in standing position and lift a load up to 4 inch and insert a crib) (-4 Marks)			

IV. CHIPPING HAMMER (01 PARTICIPANT)

- Equipment will be stripped condition in following sequence; from left to right- flat bit, pointed bit, equipment and extension cord for power supply.
- The participant will be required to assemble the equipment by fixing pointed bit and prepare the equipment for chipping.
- Then the participant will be required to break a concrete slab of 40 inch in standing position. Buddy may be detailed for safety.



Method of Evaluation	
Equipment assembling	1. Make sure that the machine is switched off and unplugged, before installing the bit. 2. Pull the locking sleeve down all the way and insert the bit into the tool holder as far as it will go. 3. Release the locking sleeve and it will return automatically to its original position to secure the bit. After installing, always make sure that the bit is securely locked in place by trying to pull it out. 4. Check power supply. 5. Plug in and switch on the power supply. 6. Touch the bit on the substance to be chipped off 7. Remove the bit from the equipment by pulling the locking sleeve all the way down and then pull the bit out. 8. Vario lock is used to change the direction of the bit. In the process the vario lock is lock up and twist according to the desired direction.
Equipment Handling and Safety Procedure	1. About vario lock 2. Application of drill bit 3. Do not operate when the equipment in damp or in damp weather condition 4. Check whether the bit is secured properly before operating. 5. Safe handling, when chipping into walls, floor or wherever LIVE electric wires may be encountered.
Fault and troubleshooting Application of equipment	1. Drill Bit stuck inside the concrete 2. Do not pull the equipment back, pull the locking sleeve and remove the equipment. Use another bit to remove the stuck bit. 3. Power not reaching the equipment 4. Check the power cord, check the generator for tripping. 5. Power available but equipment not working. 6. Check whether service indicator is glowing, if it is then consult technician immediately. • Chipping should be done from the edge of the object not the center.

Marking Sheet:

Sl. No.	Name of Equipment	Name & unit of participant	Time taken	Position in group	Total Marks	Negative marking for mistakes (Mark for each mistake)	Yes	No	Effective Marks
01	Chipping Hammer (Medium)	Name : Unit.....		First	10	1. Not ensuring proper fixing of bit and power supply (-1 Mark) 2. Not touch the bit on the edge of the substance to be chipped-off (-1 Mark)			
				Second	08	3. Positioning and safety precaution (-4 Mark)			
				Third	07	4. Bit stuck inside the chipping material. (-1 Mark)			
				Fourth	06	5. Not completed the task. (To chip out concrete material, size 10X7X7inch at the corner of slab) (-4 Marks)			

V. RECIPROCATING SAW

- a. Equipment will be kept in stripped condition in following sequence From left to right- Both blades, equipment and extension cord for power supply.

- b. The participant will be required to assemble the equipment and prepare the equipment for cutting. The participants need to cut a 4 inch wooden block or as per direction of BOO. Buddy may be detailed for safety.



Method of Evaluation	
Equipment assembling	1. Selection of proper blade 2. Proper Fitting of chain with guide bar 3. While touching object, full RPM should be ensured. 4. Ensure the equipment is in full RPM when taken out from the object.
Equipment Handling and Safety Procedure	1. Use personal protective equipment. 2. Ensure the switch is in the off-position before connecting to power source 3. Ensure proper position and safety precaution followed (Buddy system). 4. Ensure which environment the equipment is operated(gasoline free)
Fault and troubleshooting Application of equipment	1. Power not reaching the equipment 2. Check the power cord, check the generator for tripping. 3. Loosen blade 4. Selection of proper blade according to the material

Marking Sheet:

Sl. No.	Name of Equipment	Name & unit of participant	Time taken	Position in group	Total Marks	Negative marking for mistakes (Mark for each mistake)	Yes	No	Effective Marks
01	Reciprocating Saw	01 Person Name :		First	10	1. Not ensuring power supply while fixing blade (-1 Mark)			
				Second	08	2. Not selecting proper blade/ensuring the blade is fixed properly (-1 Mark)			
				Third	07	3. Positioning and safety precaution. (-4 Mark)			
				Fourth	06	4. Ensure the equipment is in full RPM when touching/taking out from object. (-1 Mark) 5. Task not completed. (To cut a wooden material up to 05 inch and metal up to 4 inch on same props) (-4 Marks)			

VI. INFLATABLE EMERGENCY LIGHT (02 participants)

a. The participant will be required to adopt following procedure

- i. Start engine
- ii. Blower to inflate the cloth
- iii. Anchor the tower height



Method of Evaluation	
Equipment assembling	1. Ensure flat/firm surface, 4.03 mtrs height and radius should be clear for tower. 2. Keep nails and hammer with equipment 3. Ensure all 05 switches are in off position. 4. Petrol knob in 'on' position. 5. Switch the engine button in 'on' position. 6. After full inflation of tower, fix the ropes to nails. 7. Switch off lamp button 8. Switch off blower button after one minute and then put off MCB 9. Support the tower to avoid accidental fall. 10. Switch off all the 5 buttons and petrol knob.
Equipment Handling and Safety Procedure	1. After the inflation of balloon, ropes should be anchored properly. 2. While deflating, ensure balloon doesn't fall on the ground, for safety of lamp. 3. Before deflating the tube, make sure the lamp has cooled at least for 5 a min. 4. Before operating, ensure that the machine is positioned on a solid/flat surface. 5. Before inflating Balloon, check 4.03 mtrs height of overhead surface, to be inflated.
Identification of fault and troubleshooting Application of equipment	1. Engine won't start. a) Check fuel (adequate quantity, store, water in fuel) b) Is spark plug lead attached to spark plug? 2. Engine smokes. ✓ Check oil level (over filled) ✓ Check paper cartridge (plugged or oil soaked) ✓ Check foam air cleaner element (plug or dry) 3. Engine vibrates while running. ✓ Check for loose mounting bolts. ✓ Engine runs a while then stop suddenly. ✓ Check fuel level. ✓ Check fuel cap for clear vent for holes. 4. Blower not functioning. ✓ Check incoming power supply. ✓ Check blower winding. 5. Lamp not glowing. ✓ Check igniter. ✓ Check incoming supply. ✓ Check lamp holder. 6. Balloon cloth is punctured. ✓ Use the sticker strip (provided) to stop the leak, if cut/puncture is small. ✓ In case the balloon cloth is torn beyond repair then replace it. ✓ Ensure flat/firm surface, 4.03 mtrs height and radius should be clear ✓ Fix all 04 nails at three steps from the eqpt.

Marking Sheet:

Sl. No.	Name of Equipment	Name and unit of participants	Time taken	Position in group	Total Marks	Negative marking for mistakes (Mark for each mistake)	Yes	No	Effective Marks
01	Tower Light	P1 :		First	10	1. Not checking all switches are off. (-1 Mark)			
		P2.....		Second	08	2. Not checking fuel. (-1 Mark)			
		Unit.....		Third	07	3. Not proper anchoring the lighting tower (-1 Mark)			
				Fourth	06	4. Tower Erection is not proper (-1 Mark) 5. Not completed the task (Illumination) (-4 Mark) 6. Unsafe procedure (-4 Marks)			

VII. CBRN

a) Donning of PPE- (04 participants)

1. 04 complete PPE on ground from left to right (Trouser, Jacket smog, Over boot with lace, Gloves inner, Gloves outer, Respirator and Canister)

Sequence of donning:- Participant is expected to don the PPE in following sequence.

- Wear trouser
- Wear smog jacket
- Wear over boot in standing position
- Put on laces and tighten
- Wear gloves inner
- Wear gloves outer
- Put on respirator
- Screw the canister
- Tighten the hood and all the straps

Marking Sheet:

Sl. No.	Name of Equipment	Name and unit of participants	Time taken	Position in group	Total Marks	Negative marking for mistakes (Mark for each mistake)	Yes	No	Effective Marks
01	CBRN PPE Donning	04 Person Name :		First	10	1. Not Ensuring MOPP zero. (-1 Mark) 2. Not adopting proper sequence of Donning (1- Wear trouser, 2-Wear smog, 3-Wear over boot , 4- Put on laces and tighten, 5- Put on respirator, 6- Tighten the hood and all straps, 7- Wear gloves inner.& outer. 8- Screw the canister. (-1 Mark) 3. Loose straps, Velcro and laces. (-1 Mark) 4. Moisture on twin eye glasses. (-1 Mark) 5. Canister not properly fitted. (-1 Mark)			

VIII. Inflatable Rubberized Boat

a) Boat assembling - (04 participant)

- ✓ Rubberized boat will be kept in deflated rolled position with following accessories-

Floor boat, Channel, Paddle, Fuel tank, Two electric blowers, two foot-pumps, OBM-01, Life jackets-04 Nos, Lifebuoys-02 Nos.

- ✓ The participants will be required to assemble the boat and prepare the boat to launch an operation in following sequence-



1. Unroll the boat, fix the floor boat and channels.
2. Inflate the boat with the help of two electric blowers and two foot pump.
3. Mount the OBM.
4. Fix fuel tank and keep life buoy into the boat.
5. All rescuers wear life jacket and get into the boat holding the oar.

Marking Sheet:

Sl. No.	Name of Equipment	Name and unit of participants	Time taken	Position in group	Total Marks	Negative marking for mistakes (Mark for each mistake)	Yes	No	Effective Marks
01	Inflatable Rubberized Boat	04 Person Name :		First	10	1. Floor board are not properly fitted (-1 Mark)			
				Second	08	2. Channel bar are not properly fitted (-1 Mark)			
				Third	07	3. OBM not mounted on the transom plate & not tightened both the nuts properly. (-1 Mark)			
				Fourth	06	4. Less air in inflated rubber boat. (-1 Mark) 5. 02 buoy 04 Life jackets (Extra), 01 foot pump, Tool Kit, 02 Ors kept in the boat and individual must wear his life jacket before launching the boat (-2 Mark)			

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7. CSSR COMPETITION

AIM: Evaluation of search and rescue ops procedure of SAR team in a collapsed structure.

SAFETY/SECURITY: The detailed BOO will examine the equipment of all the teams participating in the competition, before the start of the competition. All safety related issues and availability of resources will be ensured by the BOO. The board will ensure that there is no irregularity during the competition.

VENUE: Competition will be conducted in any neutral NDRF battalion having sufficient infrastructure to organize such competition e.g. props, debris, collapsed structure etc.



TEAM COMPOSITION:

- a. SO's-02 (Team Commander & Team 2I/C)
- b. 18 rescuers (03 search and Rescue Squad of 06 each)

PROCEDURE: Competition will be conducted in two parts:-

- A. Assessment, Search & Documentation.
- B. Operation and Extrication

PART –A (30 Marks)

1. ASSESSMENT , SEARCH AND DOCUMENTATION :-

- i) **ASSESSMENT :-** Team will carry out the assessment of collapse building and prepare a sketch and including the following :- **(06 Marks)**
 - a) Identification of building – construction type.
 - b) Collapse pattern and damage.
 - c) Potential hazards.
 - d) Stability of remaining structure.
 - e) Building triage.
- ii) **BRIEFING BY TEAM COMMANDER :-** Team Commander will brief the team about the operation to be conducted and how and task will be completed on given sites **(06 Marks)**
- iii) **BRIEFING BY SAFETY OFFICER :-** Safety officer will brief the team regarding safety precaution to be undertaken during the operation (based on LCES) **(03 Marks)**
- iv) **SKETCH :-** Team Commander will prepare an eye sketch of collapsed building depicting type of building, collapse pattern, position of hazard, utilities and other relevant information. **(03 Marks)**

- v) **SEARCH :-** Hailing search method will be applied to identify location of trapped potential victim's. **(03 Marks)**
- vi) **VICTIM & INSARAG MARKING :-** Location of the victim will be indicated with the help of victim marking. INSARAG marking will also be drawn on paper. **(06 Marks)**
- vii) **LAYOUT OF BOO :-** Team commander will prepare and submit a layout of Base of Operation (BOO) on a piece of paper. **(03 Marks)**

PART-B- 70 MARKS

CONDUCT OF CSSR OPERATION:-

- i) All participating teams will follow the procedure as per SOP of CSSR i.e. reporting in staging area, reporting to/ briefing from incident commander, delegation of power, role of team 2IC, unified command, emergency plan etc.
- ii) All teams are required to make a safe approach up to the trapped victims by cutting different building materials (concrete, metal & wood) placed in a confined tunnel at different points.
- iii) Extricate the potential victim safely up to the given place after providing correct pre- hospital treatment and stabilization.



Team completing the operation first will be awarded 10 marks followed by 09, 08 & 07 marks for second, third and fourth position. After this negative points will be deducted for each mistake as indicated in marking sheet.

Note:-

- i) Marking sheet for marks obtained and negative marking is attached as **Appendix-A**.
- ii) **EQUIPMENTS:-** All equipment's as per authorization of CSSR ops.

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8. DEEP DIVERS COMPETITION

AIM: To judge the ability, skills & capability of NDRF divers in responding to various deep diving rescue ops.

SAFETY/SECURITY: a detailed BOO will examine the equipment of all the teams participating in the competition, before the start of the competition. Diving is a dangerous rescue mission, so all types of safety related arrangements should be confirmed by the BOO. The board will ensure that there is no irregularity during the competition.



TEAM COMPOSITION: SOs -01 & ORs -04 Total = 05

VENUE: Competition will be conducted in any neutral NDRF battalion having sufficient infrastructure to organize such competition e.g. Deep diving well, swimming pool. The competition will be held in a dive training tank/swimming pool/ water body with a maximum depth of 35 feet.

- I. **EVENTS :** A real scenario based under water search and operation situation will be given to the participating team. A human-sized dummy will be placed underwater according to the scenario for extrication.

The list of events to be conducted in the competition are enumerated below :

- 1) Briefing of Team commander to divers, selection of site & dive planning.
- 2) Donning of deep diving system.(Suit and apparatus)
- 3) Diving procedures, pre dive check and Search methods.
- 4) Communication in water between deep divers through under water communication system.
- 5) Communication in water by deep divers through rope.
- 6) Victim identification & extrication by deep divers.
- 7) First Aid to rescued victim and post dive procedure.



II. MARKING SYSTEM : Every UNIT/ZONAL team will be judged on the basis of their performance & marks scored in the events conducted in deep diving competition.

- 1) Every event will carry marks and full marks will be awarded for successful competition of assigned task without committing any error.
- 2) The competition is of 50 marks.
- 3) Five marks will be deducted for major error relating to safety & successful completion of operation.
- 4) $\frac{1}{2}$ Mark will be deducted due to error relating to sequence & other procedural errors in relation to use of equipment's.
- 5) The Competition is of 50 marks & the team scoring highest marks after total marks of all events will be declare first. Similarly second & third positions would be declared on the basis of marks scored in all events. In case of tie, team having less penalty in safety related issue during the competition will be declared as winner.

III. SEQUENCE OF EVENTS& MARKING

I: Briefing by team commander to deep divers:-

- 1) The team commander will be given an emergency scenario in which he needs to brief his divers according to the given circumstances taking into account various factors related to the successful operation of the operation. The assessment of briefing given by team commander will be done on following aspects as enumerated below :-
 - i. Preparation of sketch for briefing about the incident site.
 - ii. Information about the incident (POO).
 - iii. Sequence & procedure in the manner operation he plans to carry out.
 - iv. Hazards associated with the operation & safety precautions by the deep divers through various means during the operation.
 - v. Emergency plan.
- 2) **Marking system:** The team Comdr's briefing would carry 5 marks as under:-
 - a) Assessment & sketch -02 marks
 - b) Briefing about incident and action plan -02 marks
 - c) Emergency plan -01 marks

Note: Leaving any point in briefing will lead to deduction of 1 mark.

II: Donning of PPE :

Total participants – 02

Total marks 10

- i. A complete deep diving set (SCUBA) along with all accessories will be laid on ground from left to right. (from observer/Deep diver).

- ii. **Sequence of donning** – Participant is expected to don the deep diving suit in the same sequence as layout form left to right. The sequence of deep diving suit is as follows:

1. Deep diving suit.
2. Shoes fins & Gloves.
3. Life line
4. Weight belt
5. Face mask
6. Scuba Cylinder



- iii. **Marking system:** There will be 10 points in this event. Rescuers who donned deep-diving suits with all the accessories in the shortest possible time without errors will be awarded 10 points followed by 09, 08 and 07 points for second, third and fourth place.
- iv. **Assessment of marks of observer:-** 1 mark will be deducted for any sequential mistake, while 3 marks will be deducted for major safety related mistakes i.e. leakage of air, improper fitting of face mask, scuba cylinder related mistakes etc.

Negative marking for errors while doing assessment of diver while donning the suit.

- | | |
|--|------------|
| 1. Donning without checking all accessories | - 1 mark. |
| 2. Not proper strapping | -1 mark. |
| 3. Not tied the life line properly with Bowline knot | -1 mark. |
| 4. Donning suit without checking of pressure | -3 marks. |
| 5. Not donning of deep diver suit & accessories in proper sequence | -1mark. |
| 6. Unfitted face mask | - 3 marks. |
| 7. Unfitted half demand valve | - 3 marks. |

III: Pre-diving checks & search methods/operation.

Total participants – 02

Total marks -12

All the participants should go for diving only after detailed preparation and thorough pre diving checks in the following manner, if any mistake is made, the deduction of marks will be done as per the marks shown.

- a. **Pre dive check:** Standardized methods of diving should be followed during competition; for any self-made procedure against the diving rules, 01 mark will be deducted.

Pre-diving checks: BWRAF - 2 Marks

1. **Buddy:** The buddy will test the inflator and the releases.
2. **Weight:** The second step in the pre-dive safety check requires you to check your buddy's weights and weight belt.

3. Release: The releases on the SCUBA set, should be checked to ensure they are all secured.
4. Air: The breathing air supply needs to be checked.
5. Final: Final check.



- b. **Search methods/operation:** Appropriate marks will be given when the proper search method is adopted during the search, i.e. Circular method, Line search, Shore line search, and Semicircular search. **10 Marks**

Note- The BOO may give any contingency situation to the participants, such as - deep divers are trapped in the water during the search operation, role of attender during emergency situation and which search operation should be used in different circumstances etc.

Negative Marking- In the given situation, 05 Marks will be deducted if the appropriate search method is not adopted. The BOO will be given detailed information about the search method by the technical / expert member of the board in advance which should be used according to the situation, whatever search is suitable and minimum time taking.

IV: Under Water Communication System:

Total participants – 02

Total marks 03

- i. To test the skill of establishing communication between the attender and the deep diver using the underwater communication system during diving:-
 - a. Deep diver has to comply with the instruction given by attender over under water communication system.
 - b. Similarly attender has to act upon diver signaling given over under water communication system.
 - c. Marks will be given to the team of the divers according to accuracy and instant messages given over underwater communication system.
- ii. Marking system:-
 - a. Event carry 3 marks.
 - b. Wrong reception & compliance of signaling lead to deduction of 1 mark.
 - c. No establishment of signaling between attender & diver will lead to the washout from this event.

V: Communication in water through Rope (Two Participants):-

Total marks 10

In this event, communication between deep diver and attender is assessed on the basis of various signals between them by using of rope during the operation. Observers would check the signaling between attender & diver, on the basis of initiation & compliance of signaling through rope.

i. **Signal for Instruction:** From attender to diver:-

- a) Single Pull- Are you all right? (Stop, Say again)
- b) Double Pull- Go down (diver increase the depth in deep diver tank)
- c) Three Pull - Stand by to come up position (diver halted in to come up in deep diving tank)
- d) Four Pull Come up (diver decrease the depth in deep diving tank).

ii. **Searching Signal:**

- a) One Bell- Stop & search where you are.
- b) Two Bell- Move directly away from the short rope.
- c) Three Bell- Go to your right.
- d) Four Bell- Go to your left.

iii. **Emergency Signal:** (From Diver to Attender)

- a) Single Pull- I am fouled and need the assistance of another diver.
- b) Double Pull- I am fouled but can clear myself.
- c) Three Pull - Haul me up immediately (emergency).

iv. **Marking system:**

- a) Event carries 10 marks.
- b) Sequence of the signaling may be changed as per instruction given by observer to deep diver & attender.
- c) Use of underwater communication system (UWCS), to check the signaling between attender and deep diver inside water. Out unit of the UWCS will be with the observer & inside unit with deep diver to confirm the correctness of signaling through rope.
- d) Correct initiation, reception & compliance of signal will be given 1 mark.
- e) Major mistakes will lead to deduction of 1 mark.
- f) Minor mistakes will lead deduction of ½ marks.

v. **Assessment of marks by observer:**

Major Mistake:

- a) Loose life line.

- b) Wrong compliance of signaling between diver & attender.
- c) Properly not wearing full face mask & demand valve.

Minor Error:

- a) Diver & Attender not showing ascending/ descending signal before compliance of any instruction.

vi: Extrication of victim:- Total marks 05

- 1) Attender & diver have to rescue/ extricate the victim under supervision of Team commander.
- 2) A dummy victim placed in the operation site for rescue.

Marking system:-

- I. Identification and extrication of the victim in the incident are 5 points for the team taking least time.
- II. The team taking second least time would be awarded 04 marks.
- III. The team taking third least time would be awarded 03 marks.
- IV. The last would get zero marks.
- V. Negative marking for wrong procedure and safety lapse (-3).

Assessment of marks by observer:-

Observer assessment & awarding of mark will be based upon:

- I. Safety aspect (proper PPE, proper adoption of safety procedure) during operation.
- II. Proper use of signals between diver & attender.
- III. Proper anchoring of victim.
- IV. Any error in the compliance of above mentioned points will lead to deduction of one mark.

Event VI: First Aid to Rescued Victim:

- 1) Event designed to assess the first aid training & capability of deep diving team in giving immediate first aid to rescued victim during operation.
- 2) After retrieval of victim from water, diving team have to give immediate first aid as per the set procedure.

A. Marking system:-

- a) Event carry 3 marks
- b) Major error:- -1 mark.
- c) Minor mistake:- ½ mark.

B. Assessment of marks by observer:- process of water removal from belly

- a) How the divers give oxygen to the victim.
- b) How the divers give first Aid and give treatment to victim (hypothermia).
- c) Cardio pulmonary resuscitation, if required.

EVENT VII Post dive procedures:

2 marks will be given for adopting correct procedure during ascent/exit. Any wrong activity against the procedures will negative marking. Following steps will be checked by the BOO during exit of diver;

2 Marks

- a. Exit method of diver
- b. Reporting
- c. Doffing

Note:-

- 1) Battalion organizing the underwater Deep Diving Competition will keep two divers in alert mode present at the venue to respond in any emergency situation during the competition.
- 2) Medical fitness Certificate will be produced by diving teams of all battalion before the commencement of competition.
- 3) One medical officer along with all necessary arrangements will be kept ready at the site of event.
- 4) All participating team will carry all necessary equipment & accessories required during the competition.
- 5) Four divers in buddy pair will participate in the competition.
- 6) Two divers among the four will participate in the events at a time during the competition.
- 7) Team Commander with the diving team will decide the representation of their diving pair in the events during the competition.
- 8) Different diving pair can be used by the participating battalion for different events of the competition.
- 9) Mark awarded by the judge and approved by the organizing committee will be final in case of any dispute.

After completion of competition & closing ceremony teams will move to their respective unit/HQ.

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9. DRILL ON QDA, HF AND VHF

AIM: To assess the capabilities and skills of NDRF communication staff in establishment of communication for smooth and timely dissemination of information during rescue and relief operations.

VENUE: Competition will be conducted in any neutral NDRF battalion having sufficient infrastructure to organize such competition.



INSPECTION: The detailed BOO will examine the equipment of all the teams participating in the competition, before the start of the competition. The board will ensure that there is no irregularity during the competition.

Rear HQ/Master Control: 02 Operators as co-opted/supporting members to be deputed from the organizing units signal center for HF/VHF and V-SAT Communications, who would establish a temporary signal center for competition purpose.

COMPOSITION OF TEAM:

- a) The team will consist of 05 Operators irrespective of rank, including 01 team commander and 04 operators, which will manage all stations i.e. HF, VHF & QDA.
- b) The team commander of the team will be the rank of at least Sub Inspector/radio operator.
- c) No communication personnel will be allowed to participate in this competition more than 02 times.

EQUIPMENTS FOR THE COMPETITION

Each participating would carry equipment as under:

VHF:-

- i. 25 W VHF with complete accessories – 02 Nos. (One kept as reserve)
- ii. Secondary batteries – 02 Nos.
- iii. Aerial mast 20 feet height (As per availability)- 02 Nos.

HF:-

- i. 100W HF sets with complete accessories – 02 Nos (One kept as reserve)
- ii. Broadband antenna/Whip antenna/Slant antenna (As per Compatibility with available system)– 02 Nos.
- iii. 12 Volt Secondary batteries – 02 Nos.

Note:-

The organizing NDRF unit shall provide the assistance of Mast pole/support arrangement in order to erect the broadband antenna for HF communication.

QDA:-

- i. QDA set with complete accessories- 01 No. (Including Netgear Wi-Fi modem)
- ii. Video phone – 02 nos
- iii. Ups – 02 nos
- iv. Laptop – 02 nos
- v. GenSet-01 No.

DRESS:-

Communication staff will wear NDRF uniform as per season.

DETAILS OF COMPETITION:-

- i. NDRF's Pre- allotted HF Radio frequencies be provided to PO of the competition and the same may be given to the participants at the time of competition **after minor up/down in last two digits.**
- ii. All equipment will be kept in respective casing/ boxes, before starting of competition.
- iii. All operators and team commander will be present on the competition site.
- iv. Team commander will brief & de-brief his operators about the operation and procedure of the competition.
- v. Team commander will report to the Presiding Officer and will brief about the preparation.
- vi. The PO will give one 40 groups message for VHF, 40 Groups message for HF to be passed on RT to be sent to master control station, and an email to be sent on QDA of the master control station.
- vii. Similarly the PO will select a random 40 groups messages, which would already be available with master control to be sent to team.
- viii. Now the operators will establish the station and send/receive both messages on VHF and HF separately and given mail will be sent to the master control station.
- ix. Simultaneously wifi setup of net gear router and video call setup over QDA would be established.
- x. The competition will start right from reception of message to team captain in sealed envelope by the Presiding Officer of the competition BOOs with unboxed equipment.
- xi. The timing will be noted by PO.



- xii. The team commander will raise his hand when all given messages are cleared on both sides on HF& VHF and Mail successfully sent to the master control station.

DUTIES OF OPERATORS AT MASTER CONTROL:-

Signal center of the organizing unit will work as Master control for QDA and VHF Communication just to acknowledge the messages. 2 Co-opted members may be deputed in signal centre to ensure the transparency.

- i. Co-opted member will tune the HF/VHF set on the given frequency and reply to the participating team only on VHF radio set.
- ii. HF communication will transmit the message to nearby RRC. Signal centre will keep vigil and will observe the traffic in between Competing team and RRC on HF radio set.
- iii. They will also acknowledge the e-mails, VOIP calls and video calls of competing team.
- iv. They would be having sample 40 groups messages beforehand with random serial numbers. Upon direction of PO, they will be initiating the random messages to teams over HF/VHF/QDA.

MARKING SYSTEM

- i. The maximum marks will be 100 (Hundred).
- ii. The total marks of the team will be the sum of the marks secured in various stations i.e. HF, VHF & QDA.
- iii. The marks will be allotted as per precise work done by the team in different stations.

(A) VHF: – 20 MARKS

- a. 10 marks will be allotted for installation and layout of Antenna and Radio sets.
- b. 10 marks will be for message clearance.
- c. For each RT character mistake, 02 marks will be deducted.

(B) HF: – 30 MARKS

- a. 15 marks will be allotted for installation and layout of HF set.
- b. 15 marks will be allotted for message clearance.
- c. For each RT character mistake 2 marks will be deducted.

(C) QDA: – 50 MARKS

- a. 15 marks will be allotted for QDA installation.
- b. 15 marks for internet functioning, VOIP & video call.

- c. 15 marks for successful mail clearance & voice call on any given mobile or landline number. (Mail to be sent to 5 NIC e-mail address with read & receipt notification)
- d. 5 marks for Netgear configuration and creating wi-fi zone.
- e. For each typing mistake in E-mail message 02 Marks will be deducted.



*All equipment & Assys will be installed in suitable order and further layout of equipments and boxes will also be monitored.

SCORING PATTERN-

If a team takes more than after 40 minutes (All three time slots), post 40 minutes 01 mark for each extra minute will be deducted from total score of the team.

***Max time for installation of all equipment may be 40 minutes, 10 minutes for VHF, 10 minutes of HF and 20 minutes for QDA.**

Note:-

Video call quality and transparency in messaging will be monitored by member of BOOs at each station keeping in view of climate at the time of competition. Ideal time for completing the whole action is 40 minutes collectively which is further divided into three time slots **10 minutes for VHF, 10 minutes of HF and 20 minutes for QDA.**

- a. 1st time slot for unboxed the equipment, cable plug in right slots and battery/power connections.
- b. 2nd time slot for antenna erection and feeder connection.
- c. 3rd time slot for messaging, mailing and video chat.
- d. If a team fails to establish any two out of three ground stations within 60 minutes will be treated as disqualified.
- e. To escape from disqualification a team must functionalize any two out of three ground station (HF, VHF& QDA).

Note:-

Already installed set up/signal center of the organizing unit will be used as master station and co-opted technical member may be deputed to check/work/keep vigil as MASTER STATION. The event should be organized at neutral venue.

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10. CANINE SEARCH & AGILITY COMPETITION

AIM: To evaluate the ability of NDRF dogs in victim's search, agility and sniffing ability in collapsed structures.

SAFETY/SECURITY: The detailed BOO will examine the equipment of all the teams participating in the competition, before the start of the competition. The board will ensure that there is no irregularity during the competition.



VENUE: Competition will be conducted in any NDRF battalion having sufficient infrastructure to organize canine competition.

I. **EVENTS :** Keeping in view the role and task of National Disaster Response Force the following two events shall be organised for the canine events during Inter-Bn Professional Competition to enhance the professional skills and competency of canine squad :-

- a. **Obedience/Guide ability CSSR competition**
- b. **Nose Work(Alert/Search)**

2. ELIGIBILITY AND FORMATION OF TEAMS

- a. Composition of unit team: 02 Canines along with 02 Dog handlers and 01 Asstt. dog handler will participate in the competition as a unit team . One SI/INSPECTOR Related to canine training may be detailed as team in-charge.
- b. Only the medically and physically fit competitors can participate in the competition.



3. Methodology & Assessment Parameters

Part-A: Obedience and Guide ability (Max Points -100)

i. Obedience

Sl No.	Name of Events	Max Points	Remarks
1.	Off leash heeling	10	
2.	Sit, call into front position	10	
3.	Send out and stay, continuing to send out, laying down	10	
4.	Laying down distraction 5 min.	10	
5.	Direction Control	20	

i. Guide ability

Sl No.	Name of Events	Max Points	Remarks
1.	Obstacles-1	10	
2.	Obstacles-2	10	
3.	Obstacles-3	10	
4.	Obstacles-4	10	

Note : Minimum Points 70% to qualify the event

Sl No.	Grading	Points (Max Points -100)
1.	Excellent	100-96
2.	Very good	95-90
3.	Good	89-80
4.	Satisfactory	79-70
5.	Unsatisfactory	69 and Below

Part-B: Nose Work(Alert/Search) (Max Points -200)

Sl No.	Name of Events	Description of activities	Max points	Remarks
1.	Alert at the alert hole	Barking	10	
		Digging	10	
		Penetration	10	
2.	Rubble search	Tactical situation	05	
		Behavior /guide ability of DH	25	
		Behavior /intensity of dog	30	
		Guide ability	10	
		Success : 20 points per victim	40	(Two victims)
		Penetration : 15 points per victim	30	
		Barking : 15 points per victim	30	

Note : Minimum Points 80% to qualify the event

SI No	Grading	Points (Max Points -200)
1.	Excellent	200-191
2	Very good	190-180
3	Good	179-160
4	Satisfactory	159-140
5	Unsatisfactory	139 and Below

SI No	Grading	Points (Max Points -300)
1.	Excellent	300-286
2	Very good	285-270
3	Good	269-240
4	Satisfactory	239-210
5	Unsatisfactory	209 and below

Part C : Parameters for imposing penalties

Event Obedience/ Guide ability	Max Points	Description of action	Penalty Points (-)	Allowed
Off leash heeling	10	Bad connection over 50% off the track	-6	One command to start, One command for each change of direction. Either signal or spoken.
		Wrong start- and stop position of dog or DH	-2	
		Wrong heeling position	-2	
		Double command max 20%	-2	
		Body language	-6	
Sit, call into front position	10	Incorrect sit or front position	-2	One command to start, One command for each change of direction. Either signal or spoken.
		Not enough speed slow	-2	
		Double commands max 20%	-2	
		Body language	-6	
Send, out and stay, continuing to send out, laying down	10	Deviation more than 10%	-4	One command to take the start position; one command to send out the dog; one command to stop the dog; one command to send the dog further; one command to take the end position.
		Dog does not stay calmly	-2	
		Wrong position at the end	-2	
		Double commands max 20%	-2	

Event Obedience/ Guide ability	Max Points	Description of action	Penalty Points (-)	Allowed
Laying down distraction	10	Leaving down position immediately	-10	One command to take the start position; one command to lay down; one command to wait; one command to take the end position.
		Runs away during distraction	-8	
		Leaving for any other reason	-4	
		Double commands max 20%	-2	
		Body language	-6	
		Dog sits	-2	
		Dog snicks out of position	-2	

Event Obedience/ Guide ability	Max Points	Description of action	Penalty Points (-)	Allowed
Obstacle course 10 Points for each Obstacle	10x4 =40	Jumpy, edgy, insecure	-4	Each one command at the start and at the end of each obstacle leading commands to keep the dog under control.
		Leaving the obstacle incorrectly at the end of it	-2	
		Strong assistance	-8	
		Wrong starting position	-2	

Event Obedience/ Guide ability	Max Points	Description of action	Penalty Points (-)	Allowed
Directional control	20	Dog returns to DH	Disq.	One command to take the start position; each 3 commands per box; one command to get the end position (dog name is no command)
		DH steps over start line	Disq.	
		Dog moves to a wrong box but the dog handler can change it	-2	
		Dog climbs two times on the same platform	-4	
		Dog refuses to climb a platform	-6	
		Double command	-2	
		Guide ability max-4	-2	

Event (Nose Work/ Alert hole)	Max Points	Description of action	Penalty Points (-)	Allowed
Barking (must start work within 1 minute; alert must continuously 20 seconds)	10	Jumpy, edgy, insecure	-4	One command to take the start position; one command to send the dog; Additional commands; over stepping the baseline or dog returns to DH = Disqualified
		Leaving the obstacle incorrectly at the end of it	-2	
		Strong assistance	-8	
		Wrong starting position	-2	

Event (Nose Work/ Alert hole)	Max Points	Description of action	Penalty Points (-)	Allowed
Digging (must start work within 1 minute; alert must continuously 20 seconds)	10	Diggs with interruption	-2	One command to take the start position; one command to send the dog; Additional commands; over stepping the baseline or dog returns to DH = Disqualified

Event (Nose Work/ Alert hole)	Max Points	Description of action	Penalty Points (-)	Allowed
Penetration (must start work within 1 minute; alert must continuously 20 seconds)	10	Penetration with interruption	-2	One command to take the start position; one command to send the dog; Additional commands; over stepping the baseline or dog returns to DH = Disqualified
		Penetrate tentatively and with large interruptions	-4	
		no penetration	-10	

Event (Nose Work)	Max Points	Description of action	Penalty Points (-)	Allowed
Tactical situation (No time limit; is part of search time 20 minutes)	5	Tactical situation and implementation is not good	-1	Any questions.
		Tactical situation and implementation is not understood	-2	

Event (Nose Work)	Max Points	Description of action	Penalty Points (-)	Allowed
Behaviour of dog handler (time limit 20 minutes)	25	Dog handler is not implementing his tactical decision	-5	Leading commands are allowed.
		Dog handler stays too close to the dog	-5	
		Dog handler praise his dog before announcing the alert	-5	
		Dog handler doesn't guide the dog	-15	
		Dog handler influences dog for alerting	-10	

Event (Nose Work)	Max Points	Description of action	Penalty Points (-)	Allowed
Behaviour / intensity of the dog (time limit 20 minutes)	30	Dog is leaving victim after he has identify the location	-18	Attacking victim: Disqualified.
		Low search intensity	-12	

Event (Nose Work/ Search)	Max Points	Description of action	Penalty Points (-)	Allowed
Time limit 20 minutes				
Guide ability	10	Double command after leaving the search area	-3	-
		Dog doesn't move independently	-4	
		Dog handler doesn't guide the dog	-4	
Barking: 15 points per victim	2x15=30	Barks with interruption	-6	No commands are allowed to influence the dogs alert.
		Barks tentatively and with large interruptions	-9	
		No Barking	-12	
Penetration / Digging; 15 points per victim	2x15=30	Low penetration / digging	-6	No commands are allowed to influence the dogs alert.
		Dog shows no penetration no digging no bark	-12	
		Dog is leaving while the dog handler is walking to the dog	-9	

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11. CONCLUSION

It is always said that it's not the practice but the proper practice, which makes a man perfect. Drills and exercises are conducted to ensure that the practice for perfection goes properly for desired results and standards. The SOP for response drills would generate the spirit to strive for more and enhance the overall operational efficiency of the specialist force by imbibing confidence and eliminating hesitations. This SOP has been prepared with a view to standardize the competition to provide equal opportunities and maximum field exposure. Views and comments for further improvements are welcomed for periodic review of the same.

CSSR TEAM COMPETITION

Marking Sheet

Max marks - 100

A) Assessment Search and Documentation (30 Marks)

Sl. No.	Phase	Marks allotted	Criteria of negative marking for common mistake (Mark for each mistake)	Effective Marks
1	Assessment	06	1. Not Proper Briefing by the team commander (Identify the building, Framed/Unframed, damage type, stability of remaining structure, Potential hazard, Task to be completed). (-3 Mark) 2. Not Proper Briefing (LCES based) by the safety officer (-3 Mark) 3. Victim not located properly by hailing methods (-3 Mark) 4. Incorrect victim marking on sketch form. (-3 Mark) 5. Hazards not identified and action taken to mitigate that hazard. (-2 Mark) 6. BOO and INSARAG marking not properly done. (-4 Mark)	
	Sketch	03		
	Briefing by team Commander.	06		
	Briefing by safety officer.	03		
	Search	03		
	Victim & INSARAG marking	06		
	BOO Layout	03		

B) Operation & Extrication (70 Marks)

Sl. No.	Phase	Position in Group	Total Marks	Criteria of negative marking for common mistake (Markfor each mistake)	Effective Marks
1.	Operation & Victim handling	First	(1) 70	1. Safety aspect (Proper PPE, Selection of equipment, Safety procedure during equipment handling (-6 Mark) 2. Uneven Cutting on material (smooth cut), Shape of triangle (+ -5% permissible error) (-6 Mark) 3. Stabilization of victim (Including use of C-collar) (-6 Mark) 4. Incomplete splinting on given extremity (-5 Mark) 5. Not properly deliver Oxygen to the victim (-4 Mark) 6. Not taken care of victims head by safety helmet. (-4 Mark) 7. Victim not properly strapped on the hard board. (-4 Mark)	
		Second	55		