

Technical Specifications and Trial Directives of Fire Entry Suit

SNo.	Technical Specifications	Trial Directives
1.	The Suit should be of minimum 5 layers made with Para-Aramid Aluminized outer, PTFE or Neoprene/Silicon coated fiberglass for Moisture barrier, Thermal barrier and Flame Retardant fabric inner layers.	BOO to check and verify the parameter through lab test report of Govt./NABL/ International Accredited Laboratory.
2.	Required accessories with suit:- a) Coat: - Designed to be worn with breathing apparatus, Double storm fly. b) Boots: - designed to fit over work shoes rear entry with overlap snap closure. Insulated wire reinforced sole for flame resistant. Rubber safety shoe + aluminized over boot complying with EN 15090. c) Pant: - High waist design with adjustable suspenders. Adjustable Straps on leg bottoms. d) Hood: - Designed to be used with air mask. Inner drape flame seals. Underarm adjustment straps Built in shell for structural support. Hard cap with ratchet headgear. Speedy clip for hard cap support. Hardened Window frame complying with EN 443 certified helmet & gold visor. e) Mitts (Gloves): 5-finger Aluminized outer layer complied with EN 659. f) Suit weight: Not more than 10 kg	BOO to check and verify the parameter through lab test report of Govt./NABL/ International Accredited Laboratory.
3.	Aluminized Suit with Heat resistance capacity tested as per EN 1486 Standard	BOO to check and verify the parameter through lab test report of Govt./NABL/ International Accredited Laboratory.
4.	Certification of: 1. NFPA/ EN 1486 2. EN ISO 11612:2015 (suit fabrics) 3. EN 443 (Helmet) 4. EN 14458 (visor) 5. EN 15090 – Type 2 (Boots) 6. EN 659(Gloves) The OEM of aluminized suit must have a Module C2/D quality assessment system certificate as per EU regulation 2016/425	BOO to check and verify document through OEM Certificate and lab test report from Govt./NABL/ International Accredited Laboratory.
5.	Shelf Life - Minimum 10 years	BOO to check and verify document through OEM Certificate.



DG
NDRF


IG
NDRF


DIG(PROC)
NDRF


COMDT
08 BN NDRF


DC
16 BN NDRF


Director
(Finance)


DC Fire
CISF HQ