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Annexure - A
Technical Specifications

FIRE PROXIMITY SUITS

The Suit should be manufactured in accordance to EN 1486:2007 Standard; Category III. The suit should provide high level of protection against radiant heat during firefighting. The suit should be CE certified to EN1486

THE SUIT SHOULD CONSIST OF COAT, PANT, HOOD, GLOVE AND BOOT.

OUTER LAYER:

- The outer layer should be made from Aluminized Satin Glass Fiber fabric.
- The fabric should offer excellent thermal, radiant and convective heat protection.

SECOND LAYER

- The second layer (heat barrier) should be made from Aramid/Melamine non-woven material with 3 layers of the same.

INNER MOST LAYER:

- The inner most layer should be made from Nomex III A (93% Meta aramid, 5% P.aramid, 2% Antistatic)

COAT

- The coat should be designed such that it offers maximum protection with limited discomfort to the user.
- The coat should be provided with front zip fastening arrangement with overlapping flap with Velcro
- The coat should be provided with high protective collar with throat guard and Velcro tightening arrangement for better protection.
- The sleeves of the coat should be provided with elastic wrist and finger loops with additional press buttoning tightening arrangements.
- The coat should be provided with expanded back for breathing apparatus.

PANT

- The pant should be designed such that it offers maximum protection with limited discomfort to the user.
- The pant should be provided with zipper and Velcro overlapping at fork area.

HOOD

- The hood should be designed such that it covers the full head area overlapping the shoulder.
- The hood should be provided with two fastening arrangements to hold the hood firmly on the head.

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- The hood should be provided with plated visor for better heat reflection.

HAND GLOVE

- Five finger aluminized glove (made of same layer system as clothing)

BOOTS

- Fire fighter's boot with aluminized covers (made of same layer system as clothing).

Sewing threads: The sewing threads used for the manufacturing of garment should be 100 % aramid.

APPROVAL

- Should be CE Certified to EN 1486:2007

Note: 1. The supplier should provide the detailed technical literature of the product and test certificate.

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