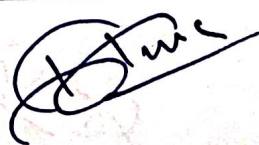


S.No.	Technical Specifications of Air Inflatable Tent(6-8 Person)			Trial Directives
	Particulars	Specifications		
1.	Tent size (outer side dimension of the tent) (Length x width x Height at ridge x Minimum diameter of the inflatable arc)	Dimension: - Width: 4 Meters - Length: 5 meters - Side Height: 2.2 meters - Inflatable Tube Diameter: Minimum 230 mm(Tolerance: +/- 10%) - Roof Gradient: Gradient of 20 degree(or 1:5 to 1:3 slope) - Inflatable Arches quantity: 3	BOO to physically check the parameters	
		Features: - Inflation/Deflation valve and Pressure Relief Valve(PRV) - PRV Pressure: 3.25 psi(maximum)	- BOO to physically check the parameter - Firm to submit OEM certificate or lab test report from Govt./NABL/International lab (firm to submit the above document on GeM along with bid documents)	
2.	Tent structure	- Inflatable Air- Beam Tent - Diameter: 250 mm (minimum) - Material: Air-retaining FR TPU+PVC Coated fabric - Fabric Specifications: Minimum 900 GSM, UV stabilized, Flame-retardant polyester fabric with cold resistance upto -10 degree C.	& ii) BOO to physically check the parameter iii) & iv) Firm to submit lab test report of Govt. approved/NABL accredited/International lab (Firm to submit the above documents on GeM along with bid documents)	
		Fabric Specifications: - Tent Skin: Material: Rugged 220-350 GSM UV Stabilized, Flame-retardant PVC coated polyester RIB STOP Fabric(Tolerance: +/- 10%) - Ground Sheet: Material: Rugged 430 GSM UV stabilized; Flame retardant PVC coated polyester fabric(Tolerance: +/- 10%) - Generic fabric properties: Features: waterproof, flame retardant, UV stabilized	Firm to submit lab test report of Govt. approved/NABL accredited/International lab (Firm to submit the above documents on GeM along with bid documents)	
		Features: - Door's quantity: 2 zipper doors with modular flap - Windows quantity: 6 or 4 windows(depending on design), each should be equipped with a	BOO to physically check the parameters	



	mosquito net					
	iii. Anchoring Method: 12- point ground anchoring.					
3.	Maximum time required for complete erection of tent.	i. Setup time upto 12-15 min with 1800 W air compressor @ 2.2 psi ii. Setup time upto 6-8 min with high pressure air cylinder				BOO to physically check the parameter
4.	Beam fabric Specification (both side PVC + TPU Coated fabric)	Properties Finished Coating weight Tensile Strength Tongue Tear Strength Waterproofness Cold resistance Crack resistance Fire resistance	Standard method IS 7016 PART I or equivalent IS 7016 PART II or equivalent IS 7016 PART II or equivalent IS 7016 PART III or equivalent IS 7016 PART VII or equivalent DIN EN 1867-1 or equivalent >10000 DIN 75200	Unit GSM WARP(min) WARP(min) WEFT(min) MI Degree C T <100	values 900(+/- 40) GSM 3500 N/5 cm 3200 N/5 cm 600 N 600 N No leak -10 DIN 53359 A Mm/min	Firm to submit lab test report of Govt. approved/NABL accredited/International lab or standard certificates (IS or equivalent) for the parameters mentioned (Firm to submit above certificates on GeM along with bid documents)
	*Equivalent standard methods can be used					
5.	Cover fabric Specification (both side PVC	Properties	Standard method	Unit	values	Firm to submit lab test report of Govt. approved/NABL accredited/International lab or

Coated fabric)	Finished Coating weight	IS 7016 PART I or equivalent	GSM	300(+/- 40) GSM	standard certificates (IS or equivalent) for the parameters mentioned (Firm to submit above certificates on GeM along with bid documents)
	Weave			Rib stop	
	Thickness	IS 7016 PART I or equivalent	mm	0.25-0.35	
	Tensile Strength	IS 7016 PART II or equivalent	WARP(min)	1200 N/5 cm	
		IS 7016 PART II or equivalent	WEFT(min)	1200 N/5 cm	
	Adhesion coating to Base fabric	IS 7016 PART III or equivalent	WARP(min)	80 N/5 cm	
		IS 7016 PART III or equivalent	WEFT(min)	70 N/5 cm	
	Waterproofness	IS 7016 PART VII or equivalent	MI	No leak	
	Fire resistance	DIN 75200 or equivalent	<100	Mm/min	

*Equivalent standard methods can be used

6.	Ground sheet fabric Specification (both side PVC Coated fabric)	Properties	Standard method	Unit	values	Firm to submit lab test report of Govt. approved/NABL accredited/International lab or standard certificates (IS or equivalent) for the parameters mentioned (Firm to submit above certificates on GeM along with bid documents)
		Finished Coating weight	IS 7016 PART I or equivalent	GSM	430(+/- 40) GSM	
		Tensile Strength	IS 7016 PART II or equivalent	WARP(min)	2500 N/5 cm	
			IS 7016 PART II or equivalent	WEFT(min)	2500 N/5 cm	

		Tongue Tear Strength	IS 7016 PART III or equivalent	WARP(min)	350 N	
			IS 7016 PART III or equivalent	WEFT(min)	350 N	
		Water proofness	IS 7016 PART VII or equivalent	MI	No leak	
		Fire resistance	DIN 75200 or equivalent	<100	Mm/min	
		Adhesion	IS 7016 PART V-2019 or equivalent	Kg/5 cm	5	
		*Equivalent standard methods can be used				
7.	Deployment temperature range of tent	Minimum:- - 10 degree C Maximum:- + 45 degree C				Firm to submit lab test report of Govt. approved/NABL accredited/International lab (Firm to submit the above documents on GeM along with bid documents)
8.	Accessories	i. Top additional outer cover for the stability of the inflated tent during torrential rain and thunderstorm. ii. 12 no. steel pegs- 12 no. polyester rope (5 mtr each) iii. 1800W 230VAC blower with min 1500 lpm air blowing capacity which stops automatically once the air beam reaches the set pressure iv. High pressure air cylinder with reducer and fitting. v. High ventilation sleeve vi. Rubber handle light weight hammer vii. Repair Kit viii. Led Lighting and handling brackets. ix. Modular air transfer valves. (optional) x. Weather protective storage packing				BOO to physically check the parameters

9.	Accessories Material	Top additional outer cover	Made from same tent skin material or higher	BOO to physically check the parameters
			The stability of the inflated tent during torrential rain and thunderstorm.	
		Anchoring system	Angle shape steel peg with anti-rust coating 8mm poly rope Braided PP+ PES. 5 mtr. each	
		Electric air blower	1800W 230V AC blower with 1500 lpm air blowing capacity which stops automatically once the air beam reaches the set pressure	
		Light weight hammer	Light weight hammer with rubberized handle grip	
		Repair Kit	Quick action repairing tape of 5mtr with cutting and cleaning tools	
		Lighting attachment	Modular lighting hooks arrangement as per requirement	
		Modular air transfer valves	Nylon Connecting modular valves or stainless steel QRC for attachment of two -units air connection . (optional)	
		Weather protective storage packing	PVC coated fabric bag or FRP Box . (Maximum 4.5 ft x 4.5 ft x 3 ft size)	
		User manual	Standard user manual with instruction	
		Hose Pipe with proper PVC attachment	Required a hose pipe with proper PVC attachment to transfer air from the cylinder to the inflatable tent.	
10.		Total weight of product (Including packing accessories)	Basic weight 85kg +/- 10 Kg + accessories	BOO to physically check the parameter
11.		Guarantee certificate should be provided along with each tent	3 years cost free warranty	Firm to submit warranty certificate/undertaking on GeM along with bid documents

S.No. Technical Specifications of Air Inflatable Tent(15-20 Person)			
	Particulars	Specifications	Trial Directives
1	Tent size (outer side dimension of the tent) (Length x width x Height at ridge x Minimum diameter of the inflatable arc)	Dimension: - Width: 5 Meters - Length: 6 meters - Side Height: 2.2 meters - Inflatable Tube Diameter: Minimum 250 mm(Tolerance: +/- 10%) - Roof Gradient: Gradient of 20 degree(or 1:5 to 1:3 slope) - Inflatable Arches quantity: 3	BOO to physically check the parameters
		Features: - Inflation/Deflation valve and Pressure Relief Valve(PRV) - PRV Pressurc: 3.25 psi(maximum)	- BOO to physically check the parameter - Firm to submit OEM certificate or lab test report from Govt./NABL/International lab (firm to submit the above document on GeM along with bid documents)
2.	Tent structure	- Inflatable Air- Beam Tent - Diameter: 250 mm (minimum) - Material: Air-retaining FR TPU+PVC Coated fabric - Fabric Specifications: Minimum 900 GSM, UV stabilized, Flame-retardant polyester fabric with cold resistance upto -10 degree C.	& ii) BOO to physically check the parameter & iv) Firm to submit lab test report of Govt. approved/NABL accredited/International lab (Firm to submit the above documents on GeM along with bid documents)
		Fabric Specifications: - Tent Skin: Material: Rugged 220-350 GSM UV Stabilized, Flame-retardant PVC coated polyester RIB STOP Fabric(Tolerance: +/- 10%) - Ground Sheet: Material: Rugged 430 GSM UV stabilized; Flame retardant PVC coated polyester fabric(Tolerance: +/- 10%) - Generic fabric properties: Features: , waterproof, flame retardant, UV stabilized	Firm to submit lab test report of Govt. approved/NABL accredited/International lab (Firm to submit the above documents on GeM along with bid documents)
		Features:	BOO to physically check

		i. Door's quantity: 2 zipper doors with modular flap ii. Windows quantity: 6 or 4 windows(depending on design), each should be equipped with a mosquito net iii. Anchoring Method: 12- point ground anchoring				the parameters
3.	Maximum time required for complete erection of tent.	i. Setup time upto 12-15 min with 1800 W air compressor @ 2.2 psi ii. Setup time upto 6-8 min with high pressure air cylinder				BOO to physically check the parameter
4.	Beam fabric Specification (both side PVC + TPU Coated fabric)	Properties	Standard method	Unit	values	Firm to submit lab test report of Govt. approved/NABL accredited/International lab or standard certificates (IS or equivalent) for the parameters mentioned (Firm to submit above certificates on GeM along with bid documents)
		Finished Coating weight	IS 7016 PART I or equivalent	GSM	900(+/- 40) GSM	
		Tensile Strength	IS 7016 PART II or equivalent	WARP(min)	3500 N/5 cm	
			IS 7016 PART II or equivalent	WEFT(min)	3200 N/5 cm	
		Tongue Tear Strength	IS 7016 PART III or equivalent	WARP(min)	600 N	
			IS 7016 PART III or equivalent	WEFT(min)	600 N	
		Water proofness	IS 7016 PART VII or equivalent	MI	No leak	
		Cold resistance	DIN EN 1867-1 or equivalent	Degree C	-10	
		Crack resistance	>10000	T	DIN 53359 A	
		Fire resistance	DIN 75200	<100	Mm/min	

		*Equivalent standard methods can be used				
5.	Cover fabric Specification (both side PVC Coated fabric)	Properties	Standard method	Unit	values	Firm to submit lab test report of Govt. approved/NABL accredited/International lab or standard certificates (IS or equivalent) for the parameters mentioned (Firm to submit above certificates on GeM along with bid documents)
		Finished Coating weight	IS 7016 PART I or equivalent	GSM	300(+/-40) GSM	
		Weave			Rib stop	
		Thickness	IS 7016 PART I or equivalent	mm	0.25-0.35	
		Tensile Strength	IS 7016 PART II or equivalent	WARP(min)	1200 N/5 cm	
			IS 7016 PART II or equivalent	WEFT(min)	1200 N/5 cm	
		Adhesion coating to Base fabric	IS 7016 PART III or equivalent	WARP(min)	80 N/5 cm	
			IS 7016 PART III or equivalent	WEFT(min)	70 N/5 cm	
		Waterproofness	IS 7016 PART VII or equivalent	MI	No leak	
		Fire resistance	DIN 75200 or equivalent	<100	Mm/min	
		*Equivalent standard methods can be used				
6.	Ground sheet fabric Specification (both side PVC Coated fabric)	Properties	Standard method	Unit	values	Firm to submit lab test report of Govt. approved/NABL accredited/International lab or standard certificates (IS or equivalent) for the parameters mentioned (Firm to submit above certificates on GeM along with bid documents)
		Finished Coating weight	IS 7016 PART I or equivalent	GSM	430(+/-40) GSM	
		Tensile Strength	IS 7016 PART II or equivalent	WARP(min)	2500 N/5 cm	

		IS 7016 PART II or equivalent	WEFT(min)	2500 N/5 cm	
		Tongue Tear Strength	IS 7016 PART III or equivalent	WARP(min)	350 N
			IS 7016 PART III or equivalent	WEFT(min)	350 N
		Water proofness	IS 7016 PART VII or equivalent	MI	No leak
		Fire resistance	DIN 75200 or equivalent	<100	Mm/min
		Adhesion	IS 7016 PART V-2019 or equivalent	Kg/5 cm	5
		*Equivalent standard methods can be used			
7.	Deployment temperature range of tent	Minimum:- - 10 degree C Maximum:- + 45 degree C	Firm to submit lab test report of Govt. approved/NABL accredited/International lab (Firm to submit the above documents on GeM along with bid documents)		
8.	Accessories	i. Top additional outer cover for the stability of the inflated tent during torrential rain and thunderstorm. ii. 12 no. steel pegs- 12 no. polyester rope (5 mtr each) iii. 1800W 230VAC blower with min 1500 lpm air blowing capacity which stops automatically once the air beam reaches the set pressure iv. High pressure air cylinder with reducer and fitting. v. High ventilation sleeve vi. Rubber handle light weight hammer vii. Repair Kit viii. Led Lighting and handling brackets. ix. Modular air transfer valves. (optional)	BOO to physically check the parameters		

		x. Weather protective storage packing		
9.	Accessories Material	Top additional outer cover	Made from same tent skin material or higher	BOO to physically check the parameters
		Anchoring system	The stability of the inflated tent during torrential rain and thunderstorm. Angle shape steel peg with anti- rust coating 8mm poly rope Braided PP+ PES. 5 mtr. each	
		Electric air blower	1800W 230V AC blower with 1500 lpm air blowing capacity which stops automatically once the air beam reaches the set pressure	
		Light weight hammer	Light weight hammer with rubberized handle grip	
		Repair Kit	Quick action repairing tape of 5mtr with cutting and cleaning tools	
		Lighting attachment	Modular lighting hooks arrangement as per requirement	
		Modular air transfer valves	Nylon Connecting modular valves or stainless steel QRC for attachment of two -units air connection . (optional)	
		Weather protective storage packing	PVC coated fabric bag or FRP Box . OR PVC coated fabric bag for tent and FRP box for accessories	
		User manual	Standard user manual with instruction	
		Hose Pipe with proper PVC attachment	Required a hose pipe with proper PVC attachment to transfer air from the cylinder to the inflatable tent.	
10.		Total weight of product (Including packing accessories)	Basic weight 95kg +/- 10 Kg + accessories, Making of NDRF logo(50 cm X 15 cm) to be printed in blue indelible ink	BOO to physically check the parameter

			atleast one side of packing box	
11.		Guarantee certificate should be provided along with each tent	3 years cost free warranty	Firm to submit warranty certificate/undertaking on GeM along with bid documents

