TECHNICAL SPECIFICATION OF BASIC PARACHUTE SYSTEM (MAIN)

er	Description	Specification	Rmk
art-	1 General Specification		_
1.	Nomenclature	Basic Parachute (Main)	
2.	Year of production	Not before the year of contract	
3.	Model	To be mentioned	
4.	Name of the manufacturer	To be mentioned	
5.	Country of origin	To be mentioned	
Part-	-2 Technical Specification		
6.	Parachute weight	Maximun 19 Kg	
7.	Payload capacity	160-200 Kg	
8.	Descent speed	Maximun 5.7 m/s	
9.	Forward speed	4-5.5 m/s	
10.	360° Turning speed	Maximun 12 sec	
11.	Aircraft speed	Maximun 150 KIAS	
12.	Minimum deployment altitude	150 m	
13.		Minimum 12 Years	
14.		Minimum 200 jumps	
15.		Minimun 12 Years	
16.		Development bag system (Not pilot chute system)	
Car	nopy		
17.	a. No of panel	To be mentioned	
	b. No of ventilation hole	To be mentioned	
	c. No of control line/toggle line	02 nos	-
	d. Area of Canopy	90-110 sq m	
	e. Shape	To be mentioned	
	f. Colour	To be mentioned	
	g. Anti-Inversion net	Yes	
Ca	nopy Cloth		
18	. a. Material (ISO-1833)	To be mentioned	
	b. Type of weave	To be mentioned	
	c. GSM (ISO-3801)	To be mentioned	

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Ser	Description	Specification	Rmk
	d. No of threads/2.54 cm (ISO-7211) Warp Weft	To be mentioned	
	e. Denier of yarn (ISO-7211/5) Warp Weft	To be mentioned	
	f. Air permeability	To be mentioned	
	g. Tensile strength (ISO-13934-1) Longitude (Warp) Latitude (Weft)	Minimum 90 Kg Minimum 80 Kg	
	h. Sunlight test (24 hrs) (Gray scale rating) (ISO-105 B02)	4	
	j. Washing test no-2 (ISO-105 C02) (Gray scale rating)	4	
Can	opy Sleeve		,
19.	a. Colour	To be mentioned	
	b. Length	To be mentioned	
	c. Material	To be mentioned	
Dep	loyment Bag		
20.		To be mentioned	
	b. Material	To be mentioned	
	c. Length	To be mentioned	
	d. Related materials	To be mentioned	
	e. Type of weave	To be mentioned	
	f. GSM	To be mentioned	
	g. No of threads/2.54 cm Warp Weft	To be mentioned	
	h. <u>Denier/Count of yarn</u> Warp Weft	To be mentioned	
	j. Tensile strength (ISO-13934-1) Longitude (Warp) Latitude (Weft)	Minimum 52 Kg Minimum 45 Kg	
	k. Sunlight test (24 hrs) (Gray scale rating)	4	
	Washing test no-2 (Gray scale rating)	4	

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	RESTRIC	TED	Rmk
er	Description	Specification	Kilik
1.	Suspension Line		
	a. Colour	To be mentioned	1
	b. Length	Minimum 6.50 m	
	c. Circumference	To be mentioned	
	d. Weight carr capacity	Minimum 108 Kg	
	e. No of suspension line	To be mentioned	
	f. Material	To be mentioned	
	g. Tensile strength (20 cm)	Minimum 180 Kg	
	h. Construction	To be mentioned	
	j. Denier of yarn	To be mentioned	
	k. Sunlight test (24 hrs) (Gray scale rating) By Q-sun machine	4	
	Washing test no-2 (Gray scale rating)	4	
22			
	a. Material (ISO-1833)	To be mentioned	
	b. Design	To be mentioned	
	c. GSM (ISO-3801)	To be mentioned	
	d. No of threads/2.54 cm (ISO-7211) Warp Weft	To be mentioned	
	e. Denier of yarn (ISO-7211/5) Warp Weft	To be mentioned	
	f. Tensile strength (20 cm) (ISO-13934-1)	Minimum 250 kg	
	g. Sunlight test (24 hrs) (Gray scale rating) (ISO-105 B02)	4	
	h. Washing test no-2 (ISO-105 C02) (Gray scale rating)	4	



Ser	Description RESTRIC	Specification	Rmk
	Harness Assembly	•	
23.		To be mentioned	
	a. Material (100 1000)	To be mentioned	
	b. Related materials	Minimum 2490 Kg	
	c. Minimum webbing tensile strength	To be mentioned	_
	d. No of riser	2	+
	e. Control strap	2	4
24.	Strap for Harness	Adjustable to various sizes	
	a. Design	To be mentioned	-
	b. Weight/Metre in gm (ISO 3801)	Mind the confidence when	-
	c. No of threads/2.54 cm (ISO 7211) Warp & Weft	To be mentioned	
	d. Denier of yarn (ISO 7211/5) Longitude (Warp) Latitude (Weft)	To be mentioned	
	e. Sunlight test (24 hrs) (Gray scale rating) (ISO 105 B 02)	4	
	f. Washing test no-2 (Gray scale rating) (ISO 105 C 02)	4	
	g. Tensile Strength (20 cm) (ISO-13934-1)	Minimum 272.16 Kg	
25.	Release system	To be mentioned	
26.	Parachute Carrying Bag		
	a. Material	To be mentioned	
	b. Dimension/Size	To be mentioned	
	c. GSM (ISO 3801)	To be mentioned	
	d. No of threads/2.54 cm (ISO 7211) Warp Weft	To be mentioned	
	e. Denier of yarn (ISO 7211/5) Warp Weft	To be mentioned	
	f. Tensile strength (ISO 13934-1) Longitude (Warp) Latitude (Weft)	Minimum 124.74 Kg	
	g. Sunlight test (24 hrs) (ISO 105 B02) (Gray scale rating)	4	
	h. Utility	To be mentioned	
	j. Log book pocket	Yes	
27		To be mentioned	
28		Each parachute is put in a plastic bag and packed in a carton box.	
29	Provision of stabilizer jump	Yes	
30		Yes	

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Ser	Description	Specification	Rmk
31.	Repair materials	To be supplied	
32.	Knife	To be included	
33.	Log book	To be provided	
34.	Combat equipment attachment system	To be included	
35.	Warranty/Guarantee	Minimum 1 year from delivery	
36.	After sales service	To be provided	
37.	Model validity	To be provided	
38.	Metal components	To be mentioned	
39.	Original Catalogue/Brochure	To be submitted	
40.	LIST OF ITEMS ACCESSORIES		
	Stabilizer	5:1	
	AAD	5:1	
PAR	RT-3: TRAINING REQUIREMENT		
41.	Foreign Training	To be provided as per requirement	
42.	Local Training	To be provided as per requirement	
PAF	RT-4: LIST OF SPARES		//
43.	List of Spare Parts (On every 05 pcs of main parachutes supplier will provide 01 set of spare parts).	To be submitted	
	List of Repair and Rigging Materials	To be submitted	
PAI	RT-5: REPAIR AND MAINTANANCE RE	QUIREMENT LESS LIST OF SP	ARES
		To be mentioned	
44.	Paramonia and American	DAGE TO MICHONE	-
45.	Manual for preventive maintanance and Repair, checks and services	To be submitted	
46.		To be submitted	
PA	RT-6: TOOL LIST FOR DIFFERENT LE	VEL OF MAINTENANCE	
47	. Special Service Tools (SST)	To be submitted	
48	TO THE CONTRACTOR OF THE PROPERTY OF THE PROPE	To be submitted	
РΑ	RT-7: FINANCIAL SPECIFICATION		
-			

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TECHNICAL SPECIFICATION OF BASIC PARACHUTE SYSTEM (RESERVE)

Ser	Description	Specification	Rmk
Part-	1 General Specification		
1.		Basic Parachute (Reserve)	
2.	Year of production	Not before the year of contract	
3.		To be mentioned	
4.	Name of the manufacturer and year in service	To be mentioned	
5.	Country of origin	To be mentioned	
Part	-2 Technical Specification		
6.	Parachute weight	Maximum 8 Kg	
7.	Payload capacity	Minimum 162.66 Kg	
8.	Descent speed	Maximum 8 m/s	
9.	Minimum deployment altitude	150 m	
10.	Aircraft speed	150 KIAS	
11.	Storage life	Minimum 12 Years	
12.	Number of opening for reserve parachute	Multiple for low spd malfunction and one if deployed during high spd malfunction.	
Car	пору		
13.	a. Basic cloth	To be mentioned	
	b. No of panels	To be mentioned	
	c. Area of canopy	Max 65 sq m	
	d. Length of canopy	To be mentioned	
Car	nopy Cloth		
14.	a. Material (ISO 1833)	To be mentioned	
1000	b. Type of weave	To be mentioned	
	c. GSM (ISO 3801)	To be mentioned	
	d. No of threads/2.54 cm (ISO 7211) Longitude (Warp) Latitude (Weft)	To be mentioned	
	e. Denier of yarn (ISO 7211/5) Longitude (Warp) Latitude (Weft)	To be mentioned	
	f. Air permeability (EN ISO 9237)	To be mentioned	
	g. Tensile strength (ISO 13934-1) Longitude (Warp) Latitude (Weft)	Minimum 20.4 Kg per inch	
	h. Sunlight test (24 hrs) (Gray scale rating)		
	j. Washing test no-2 (Gray scale rating)	4	
15	5. Pilot chute	To be mentioned	

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Ser	Description	Specification	Rmk
Sus	pension Line (Reserve Parachute)		
16.	a. Material (ISO 1833)	To be mentioned	
	b. Length	To be mentioned	
	c. No of suspension line	To be mentioned	
	d. Circumference	To be mentioned	
	e. Weight Capacity	Minimum163 Kg	
	f. Tensile Strength (20 cm) (ISO-13934-1)	Minimum 190 Kg	
	g. Construction	To be mentioned	
	h. Denier of yarn (ISO 7211/5)	To be mentioned	
	j. Sunlight test (24 hrs) (Gray scale rating) (ISO 105 B02)	4	
	k. Washing test no-2 (ISO 105 C02) (Gray scale rating)	4	
Con	trol Strap		
17.	a. Material (ISO-1833)	To be mentioned	
	b. No of control strap	2 to 4 Risers	
	c. Width of nylon tape	To be mentioned	
	d. Design	To be mentioned	
	e. GSM (ISO-3801)	To be mentioned	
	f. No of threads/2.54 cm (ISO-7211) Longitude (Warp) Latitude (Weft)	To be mentioned	
	g. Denier of yarn (ISO-7211/5) Longitude (Warp) Latitude (Weft)	To be mentioned	
	h.Tensile strength (20 cm) (ISO-13934-1)	Minimun 249.48 Kg	
	j. Sunlight test (24 hrs) (Gray scale rating) (ISO-105 B02)	4	
	k. Washing test no-2 (ISO-105 C02) (Gray scale rating)	4	
18.	Pack tray assembly	To be mentioned	



Ser	Description	Specification	Rmk
ara	chute Bag		
19.	a. Material	To be mentioned	
L	b. Dimension/Size	To be mentioned	
	c. GSM (ISO 3801)	To be mentioned	
	d. No of threads/2.54 cm (ISO 7211) Longitude (Warp) Latitude (Weft)	To be mentioned	
	e. Denier of yarn (ISO 7211/5) Longitude (Warp) Latitude (Weft)	To be mentioned	
	f. Tensile strength (ISO 13934-1) Longitude (Warp) Latitude (Weft)	To be mentioned	
	g. Sunlight test (24 hrs) (ISO 105 B02) (Gray scale rating)	To be mentioned	
	h. Utility	To be provided	
	j. Log book pocket	Yes	
20.	Ripcord handle with rip cord	Minimum 01 (Details to be provided))
21.	Length of Ripcord	Ability to deployed with use of heavy winter gloves	
22.	Log book	To be included	
23.	Metal components	To be mentioned	
24.	Packing	Standard packing	
25.	Repair materials	To be supplied	
26.	Warranty/Guarantee	Minimum 01 year from delivery	
27.	After sales service	To be provided	
28.	Company of the compan	To be provided	
29.		To be submitted	
Day	rt-3: Training Requirement		
30.		To be provided as per requirements	
31	. Local Training	To be provided as per requirements	
Pa	rt-4: LIST OF SPARES		
32	List of Spare Parts (1:5 on every 05 pcs of reserve parachutes supplier will provide 01 set of spare parts)	To be submitted	
	Repair, Packing and Rigging Materials	To be submitted	
	List of packing materials	To be submitted	

Ser	Description	Specification	Rmk
Part-	-5: LIST OF SPARES		
33.	List of standard spare parts, tools and accessories	To be submitted	
PAR	T-6: TOOL LIST FOR DIFFERENT LEV	EL OF MAINTENANCE	
34.	Special Service Tools (SST)	To be submitted	
54.	Special del vice Tools (001)	THE SEVEN HANDS IN VARIOUS INTO MAKE A	
35.	Special Service Material (SSM)	To be submitted	
35.		To be submitted	



TECHNICAL SPECIFICATION OF FREE-FALL PARACHUTE SYSTEM (INCLUDING RESERVE)

Ser	Description	Specification	Rmk
Part-	1 General Specification		
1.	Nomenclature	Free-Fall Parachute (Including Reserve)	
2.	Year of production	Not before the year of contract	
3.	Model	To be mentioned	
4.	Name of the manufacturer	To be mentioned	
5.	Country of origin	To be mentioned	
Part	-2 Technical Specification		w
6.	Parachute weight	Maximum 23 Kg	
7.	Payload capacity	Minimum 144.69 Kg	
8.	Descent speed	Maximum 5 m/s	
9.	Forward speed	Maximum 12 m/s	
10.	360° Turning speed	Maximum 4 Sec	
11.	Maximum aircraft speed	150 KIAS	
12.	Minimum deployment altitude	150 m	
13.	Maximum deployment altitude (HAHO)	10000 m	
14.	Storage life	Minimum 20 Years	
15.	Number of jump	Minimum 1000 jumps (Extendable by rigger)	
16.	Service life	Minimum 20 Years	
Car	пору		
17.	a. Material	To be mentioned	
5000	b. Colour	To be mentioned	
	c. Length of canopy	To be mentioned	
	d. Width of canopy	To be mentioned	
	e. Area of canopy	To be mentioned	
	f. No of Air Cell	To be mentioned	
Ca	nopy Cloth	1	
18		To be mentioned	
10	b. Type of weave	To be mentioned	
	c. GSM (ISO 3801)	To be mentioned	_
	d. No of threads/2.54 cm (ISO 7211) Longitude (Warp) & Latitude (Weft)	To be mentioned	
	e. Denier of yarn (ISO 7211/5) Longitude (Warp) & Latitude (Weft)	To be mentioned	
	f. Air Permeability (EN ISO 9237)	(00) Zero	

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Ser	Description	Specification	Rmk
	g. Tensile strength (ISO 13934-1) Longitude (Warp) Latitude (Weft)	Minimum 86 Kg Minimum 79 Kg	
	h. Sunlight test (24 hrs) (Gray scale rating) (ISO 105 B02)	4	
	j. Washing test no-2 (ISO 105 C02) (Gray scale rating)	4	
Can	opy Sleeve	1	
19.	Material	To be mentioned	- 1
20.	Slider	Collapsible	
21.	Pilot chute	BOC or OTS or Ripcord	
Con	trol Strap		
22.	a. Material (ISO 1833)	To be mentioned	
	b. Design	To be mentioned	
	c. GSM (ISO 3801)	To be mentioned	
	d. No of threads/2.54 cm (ISO 7211) Longitude (Warp) & Latitude (Weft)	To be mentioned	
	e. Denier of yarn (ISO 7211/5) Longitude (Warp) & Latitude (Weft)	To be mentioned	
	f. Tensile strength (20 cm) (ISO-13934-1)	Maximum 668.6 Kg	
	g. Sunlight test (24 hrs) (Gray scale rating) (ISO 105 B02)	4	
	h. Washing test no-2 (ISO 105 C02) (Gray scale rating)	4	
2000	pension Line	200	
23.	a. Material (ISO 1833)	To be mentioned	
	b. No of groups	To be mentioned	
	c. No of suspension	To be mentioned	
	d. Weight bearing capacity	Minimum 163.2 Kg	
	e. Tensile strength (20 cm)	Minimum 317.5 Kg	
	f. Construction	To be mentioned	
	g. Denier of yarn (ISO 7211/5)	To be mentioned	
	h. Sunlight test (24 hrs) (Gray scale rating) (ISO 105 B02)	4	
	j. Washing test no-2 (ISO 105 C02) (Gray scale rating)	4	

Ser	Description	Specification	Rmk
Har	ness Assembly	9	
24.	a. Material (ISO-1833)	To be mentioned	
	b. Weight bearing capacity	Minimum 163.3 Kg	
	c. Number of riser	To be mentioned	
	d. Steering line	To be mentioned	
Stra	p for Harness	1 - To Michigano	
25.	a. Design	To be mentioned	
	b. Weight/Meter in gm (ISO 3801)	To be mentioned	
	c. Tensile Strength (20 cm) (ISO-13934-1)	Minimum 670 Kg	
	d. No of threads/2.54 cm (ISO 7211) Longitude (Warp) Latitude (Weft)	To be mentioned	
	e. Denier of yarn (ISO-7211/5) Longitude (Warp) Latitude (Weft)	To be mentioned	
	f. Sunlight test (24 hrs) (Gray scale rating) (ISO-105 B02)	4	
	g. Washing test no-2 (ISO-105 C02) (Gray scale rating)	4	
26.	Container	To be mentioned	
Rese	erve Parachute		
27.	a. Material	To be mentioned	
П	b. Colour	To be mentioned	
	c. Length	To be mentioned	-
	d. Width of canopy	Minimum 3.46 m	
	e. Area of canopy	Minimum 26.94 sq m	
	f. No of air cell	9 Cell	
	g. Type of weave	To be mentioned	
	h. GSM (ISO 3801)	To be mentioned	
	j. No of threads/2.54 cm (ISO 7211) Longitude (Warp) Latitude (Weft)	To be mentioned	
	k. Denier of yarn (ISO 7211/5) Longitude (Warp) Latitude (Weft)	To be mentioned	
	I. Air permeability (EN ISO 9237)	To be mentioned	



Ser	Description	Specification	Rmk
	m. Tensile strength (ISO 13934-1) Longitude (Warp) Latitude (Weft)	Minimum 90 Kg Minimum 80 Kg	
	n. Sunlight test (24 hrs) (ISO 105 B02) (Gray scale rating)	4	
	p. Washing test no-2 (ISO-105 C02) (Gray scale rating)	4	
Rele	ease System		
28.	a. Method	To be mentioned	
	b. Strength to open	Maximum 16 Kg	
29.	Opening method	To be mentioned	
30.	AAD	To be mentioned	
31.	Log book	Yes	
Par	achute Carrying Bag		
32.	a. Material	To be mentioned	
52.	b. Dimension/Size	To be mentioned	
	c. GSM (ISO 3801)	To be mentioned	
	d. No of threads/2.54 cm (ISO 7211) Longitude (Warp) Latitude (Weft)	To be mentioned	
	e. Denier of yarn (ISO 7211/5) Longitude (Warp) Latitude (Weft)	To be mentioned	
	f. Tensile strength (ISO 13934-1) Longitude (Warp) Latitude (Weft)	Minimum 147 Kg Minimum 125 Kg	
	g. Sunlight test (24 hrs) (Gray scale rating) (ISO 105 B02)	4	
	h. Washing test no-2 (ISO 105 C02) (Gray scale rating)	4	
	j. Utility	To be mentioned	
33	3. Packing	To be mentioned	1
34	4. Repair materials	To be provided	
-	5. Warranty/Guarantee	Minimum One year after delivery	

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Se	Description RESTRICT	Specification	Rmk
r	A-3-3-10 F-33-3-33	3	
66.	Performance	a. The function and capacity of reserve parachute is same as main parachute. b. Opening shock is no more than 950 kg. c. When pulling down the toggles, the horizontal speed must be 0, while the vertical speed will not increase within 2-3 seconds.	
		d. For stalled gliding, the vertical descent speed is less than 8 m/s.	
37.	Metal components	Stainless Steel	
38.	After sales service	To be provided	
39.	Model validity	To be provided	
40.	Original Catalogue/Brochure	To be submitted	
41.	Combat equipment attachment system	To be supplied	
Par	t-3: Training Requirement		
42.		To be provide as per requirement	
43.		To be provide as per requirement	
7. 3. 41.	rt-4: List of Spares		
44	List of Spare Parts (1.10 on every 10 pcs parachutes supplier will provide 01 set of spare parts)	To be submitted	
	Repair, Packing and Rigging Materials	To be submitted	
	List of packing materials	To be submitted	
PA	ART-5: LIST OF SPARES		
45	accessories	To be submitted	
PA	ART-6: TOOL LIST FOR DIFFERENT LE	VEL OF MAINTENANCE	
46	Special Service Tools (SST)	To be submitted	
4	7. Special Service Material (SSM)	To be submitted	
P	ART-7: FINANCIAL SPECIFICATION	-	
	8. Financial Implication/Specifications	To be submitted	

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