

**BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPPALLI 14
(HUMAN RESOURCE MANAGEMENT)**

No TP : HR : IR : TC AG Uniform

Date: 06.11.2025

DGM (MM/Services)

Sub : PQC and Specification-TC AG uniform Cloth -Reg

PQC

Pre-qualification Criteria for the Vendor are furnished below:

Should have executed a Purchase order of similar cloth items of value Rs. 10,00,000 (10 Lakhs) during the last 3 years to any Govt organizations, PSUs, Private firms or any other organization.

Average annual turnover should not be less than Rs. 2500000 (25 Lakhs) during the last three years.

Delivery

90 days from the date of PO.

Specification : As attached


DGM (HR-IR & Rectt.)

Specifications for Suiting/ Pant cloth

Sl. No.	Specifications	
1	Colour of cloth :	Ash Grey (Pantone Shade No.16-1305 TCX)
2	Blend composition (Polyster : cotton) :	67:33 (+/-3%)
3	Cut length :	as specified in Enquiry
4	Width :	150 cm (+/- 1 cm)
5	Count of yarn	Warp, Ne : 2/40s ± 5%
		Weft 2/40s ± 5%
6	Thread density per inch, Ends :	125 (+5%, -2.5%)
	Picks	65 (+5%, -2.5%)
7	Weight, gsm :	240 g (+/- 5%)
8	Crease recovery angle, deg : Warp + Weft	240 min
9	Shrinkage when heated, %, Warp :	2% max
	Weft :	2% max
10	Relaxation shrinkage, %, Warp :	1% max
	Weft :	1% max
11	pH of aqueous extract :	6-8.0
12	Water soluble :	1% max.
13	Colour fastness test :	
	a. Lighting – Class :	4 or Better
	b. Washing – change in colour :	4 or Better
	Staining on undyed piece :	3 or Better
	c. Perspiration	
	Acidic – change in colour :	4 or better
	Staining on undyed piece :	4 or better
	Alkaline – change in colour :	4 or better
	Staining on undyed piece :	4 or better
14	Fibre composition, Warp :	67:33 (+/-3%)
	Weft :	67:33 (+/-3%)
15	Colour Fastness to rubbing:	
	Dry	4 or better
	Wet	4 or better
16	Colour Fastness to Hot Pressing:	4 or better
17	Pilling (after 18000 revolutions):	4 or better
18	Average Tensile Strength	
	Warp	600N
	Weft	400N
19	Tear Strength	25N Min.
20	Weave :	Gaberdine 3/1 Twill

Specifications for Shirting cloth & Chudidhar (Salwar Kameez)

Sl. No.	Specification	
1	Colour of cloth :	Ash Grey (Pantone Shade No.16-1305 TCX)
2	Blend composition (Polyster : cotton) :	67:33 (+/-3%)
3	Cut length :	
4	Width :	90cm (+/- 1cm)
5	Count of yarn Warp, Ne :	2/80s ± 5%
	Weft	2/80s ± 5%

6	Thread density per inch, Ends :	140 (+5%, -2.5%)
	Picks	80 (+5%, -2.5%)
7	Weight, gsm :	140 g
8	Crease recovery angle, deg : (Warp + Weft)	240 min
9	Shrinkage when heated, %, Warp :	2% max
	Weft :	2% max
10	Relaxation shrinkage, %, Warp :	1% max
	Weft :	1% max
11	pH of aqueous extract :	6-8.0
12	Water soluble :	1% max.
13	Colour fastness test :	
	a. Lighting – Class :	4 or Better
	b. Washing – change in colour :	4 or Better
	Staining on undyed piece :	4 or Better
	c. Perspiration	
	Acidic – change in colour :	4 or better
	Staining on undyed piece :	4 or better
	Alkaline – change in colour :	4 or better
	Staining on undyed piece :	4 or better
14	Fibre composition, Warp :	67:33 (+/-3%)
	Weft :	67:33 (+/-3%)
15	Colour Fastness to rubbing:	
	Dry	4 or better
	Wet	4 or better
16	Colour Fastness to Hot Pressing:	4 or better
17	Pilling (after 18000 revolutions):	4 or better
18	Average Tensile Strength on 5X20 cm strip, min.	
	Warp	440N
	Weft	350N
19	Tear Strength	10N
20	Weave :	Plain

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No TP : HR : IR : TC AG Uniform

Date: 06.11.2025

DGM (MM/Services)

Sub : Other Conditions for Procurement of TC AG Uniform

TC Ash Grey Pant Cloth - Delivery may be made to HPBP Trichy as follows:

1.20 M - 9626 Nos.
1.30 M - 301 Nos.
1.40 M - 696 Nos.
1.50 M - 248 Nos.
1.60 M - 5 Nos.
1.70 M - 6 Nos.
2.00 M - 2 Nos.

Upper Price limit may be intimated to the suppliers. The quantity to be supplied may vary at the time of placing purchase order.

Samples of minimum one meter in ash grey colour to be submitted with the Company's name printed/written in black ink along with test report obtained from Govt./Govt. authorized lab on the above parameters, before bulk supply upon placing order.

Bulk production requires clearance from BHEL. Offer will be considered subject to the decision of the Uniform Standardization Committee, an Elected Body.

During final supply, Mill Name, Measurement of the Cloth and Blend are to be printed along with month & year of manufacture in each piece and to be packed in a single cover.

When Uniform is finally supplied in batches, test report obtained from Govt./Govt. authorized lab should be accompanied with each batch and the sample material will be subjected to test in authorized lab and will be accepted only on conformation of the above parameters.

The supply of Suiting fabric should strictly conform to all parameters indicated in the specifications enclosed along with this indent. Ash Grey shade/tint shall be maintained uniformly throughout the entire supply. The color/shade of the SHIRTING should match with the shade of SUITING material.

TC Ash Grey Shirt Cloth - Delivery may be made to HPBP Tiruchy as follows:

2.20 M - 9513 Nos.
2.30 M - 243 Nos.
2.40 M - 541 Nos.
2.50 M - 369 Nos.
2.60 M - 8 Nos.
2.70 M - 8 Nos.
3.00 M - 2 Nos.

Upper Price limit may be intimated to the suppliers. The quantity to be supplied may vary at the time of placing purchase order.

Samples of minimum one meter in ash grey colour to be submitted with the Company's name printed/written in black ink along with test report obtained from Govt./Govt. authorized lab on the above parameters, before bulk supply upon placing order.

Bulk production requires clearance from BHEL. Offer will be considered subject to the decision of the Uniform Standardization Committee, an Elected Body.

During final supply, Mill Name, Measurement of the Cloth and Blend are to be printed along with month & year of manufacture in each piece and to be packed in a single cover.

When Uniform is finally supplied in batches, test report obtained from Govt./Govt. authorized lab should be accompanied with each batch and the sample material will be subjected to test in authorized lab and will be accepted only on conformation of the above parameters.

The supply of Shirting fabric should strictly conform to all parameters indicated in the specifications enclosed along with this indent. Ash Grey shade/tint shall be maintained uniformly throughout the entire supply. The color/shade of the SHIRTING should match with the shade of SUITING material.

TC Ash Grey Chudidhar Cloth – Delivery may be made to HPBP Tiruchy as follows:

5.00 M - 480 NOS.

Upper Price limit may be intimated to the suppliers. The quantity to be supplied may vary at the time of placing purchase order.

Samples of minimum one meter in ash grey colour to be submitted with the Company's name printed/written in black ink along with test report obtained from Govt./Govt. authorized lab on the above parameters, before bulk supply upon placing order.

Bulk production requires clearance from BHEL. Offer will be considered subject to the decision of the Uniform Standardization Committee, an Elected Body.

During final supply, Mill Name, Measurement of the Cloth and Blend are to be printed along with month & year of manufacture in each piece and to be packed in a single cover.

When Uniform is finally supplied in batches, test report obtained from Govt./Govt. authorized lab should be accompanied with each batch and the sample material will be subjected to test in authorized lab and will be accepted only on conformation of the above parameters.

The supply of Chudidhar fabric should strictly conform to all parameters indicated in the specifications enclosed along with this indent. Ash Grey shade/tint shall be maintained uniformly throughout the entire supply.

TC Ash Grey Pant Cloth - Specification is attached # Delivery may be made to PSSR Chennai as follows:

1.30 M - 1128 Nos.

1.50 M - 1317 Nos.

Upper Price limit may be intimated to the suppliers. The quantity to be supplied may vary at the time of placing purchase order.

Samples of minimum one meter in ash grey colour to be submitted with the Company's name printed/written in black ink along with test report obtained from Govt./Govt. authorized lab on the above parameters, before bulk supply upon placing order.

Bulk production requires clearance from BHEL. Offer will be considered subject to the decision of the Uniform Standardization Committee, an Elected Body.

During final supply, Mill Name, Measurement of the Cloth and Blend are to be printed along with month & year of manufacture in each piece and to be packed in a single cover.

When Uniform is finally supplied in batches, test report obtained from Govt./Govt. authorized lab should be accompanied with each batch and the sample material will be subjected to test in authorized lab and will be accepted only on conformation of the above parameters.

The supply of Suiting fabric should strictly conform to all parameters indicated in the specifications enclosed along with this indent. Ash Grey shade/tint shall be maintained uniformly throughout the entire supply. The color/shade of the SHIRTING should match with the shade of SUITING material.

TC Ash Grey Shirt Cloth - Specification is attached # Delivery may be made to PSSR Chennai as follows:

2.30 M - 837 Nos.

2.50 M - 960 Nos.

Upper Price limit may be intimated to the suppliers. The quantity to be supplied may vary at the time of placing purchase order.

Samples of minimum one meter in ash grey colour to be submitted with the Company's name printed/written in black ink along with test report obtained from Govt./Govt. authorized lab on the above parameters, before bulk supply upon placing order.

Bulk production requires clearance from BHEL. Offer will be considered subject to the decision of the Uniform Standardization Committee, an Elected Body.

During final supply, Mill Name, Measurement of the Cloth and Blend are to be printed along with month & year of manufacture in each piece and to be packed in a single cover.

When Uniform is finally supplied in batches, test report obtained from Govt./Govt. authorized lab should be accompanied with each batch and the sample material will be subjected to test in authorized lab and will be accepted only on conformation of the above parameters.

The supply of Shirting fabric should strictly conform to all parameters indicated in the specifications enclosed along with this indent. Ash Grey shade/tint shall be maintained uniformly throughout the entire supply. The color/shade of the SHIRTING should match with the shade of SUITING material.

TC Ash Grey Chudidhar Cloth - Specification is attached – Delivery may be made to PSSR Chennai as follows:

5.00 M - 76 NOS.

Upper Price limit may be intimated to the suppliers. The quantity to be supplied may vary at the time of placing purchase order.

Samples of minimum one meter in ash grey colour to be submitted with the Company's name printed/written in black ink along with test report obtained from Govt./Govt. authorized lab on the above parameters, before bulk supply upon placing order.

Bulk production requires clearance from BHEL. Offer will be considered subject to the decision of the Uniform Standardization Committee, an Elected Body.

During final supply, Mill Name, Measurement of the Cloth and Blend are to be printed along with month & year of manufacture in each piece and to be packed in a single cover.

When Uniform is finally supplied in batches, test report obtained from Govt./Govt. authorized lab should be accompanied with each batch and the sample material will be subjected to test in authorized lab and will be accepted only on conformation of the above parameters.

The supply of Chudidhar fabric should strictly conform to all parameters indicated in the specifications enclosed along with this indent. Ash Grey shade/tint shall be maintained uniformly throughout the entire supply.


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