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Azadi Ka Amrit Mahotsav

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फाइल संख्या : SY-15-20(124)D/2023/C1 दिनांक : 16.01.2024

Corrigendum

विषय : Procurement of 2,00,000 Sheets of Cotton Fabric Based Passport Cover Material in the Size 580 X 545 MM Through Development Tender ISP GeM bid No. GEM/2023/B/ 3827867 Dated 14.08.2023.

With reference to above ISP Tender Notice, the following amendment is hereby authorized :

Sr. No.	Description	For	Read as
01	Bid End Date/Time	27-01-2023 17:00:00	17-02-2024 17:00:00
02	Bid Opening Date/ Time	27-01-2023 17:00:00	17-02-2024 17:00:00
03	Technical Specifications	Buyer specification Documents	Buyer specification document may be replaced with Revised Specification placed at **Annexure-1.**

2. All other terms & conditions of the ISP Tender No. GEM/2023/B/ 3827867 Dated 14.08.2023 will remain unchanged.

भवदिय,

(अशोक शर्मा)
संयुक्त महाप्रबंधक,
कृते मुख्य महाप्रबंधक

Annexure-1.

REVISED SPECIFICATION OF COTTON FABRIC BASED PASSPORT COVER MATERIAL (BUCKRAM)

I. GENERAL REQUIREMENTS:

The material is to be used as a long lasting protective cover of Passport booklets containing printed paper and other substrate.

Sr. No.	Parameter	Specification
1	Description	The cover material should be Pre-shrink cotton fabric impregnated with Polyurethane/ Acrylic coating/PMMA any other suitable non-migratory resinous coating material. It should be free from size and other foreign materials. The above mentioned coating shall only be one side of the fabric and free from pinholes and blemishes. The other side of the buckram should be receptive to water/Acrylic/PVA base synthetic adhesive as well as PUR hot-melt adhesive to be used to bind the Buckram and inner cover/Inlay made up of paper/tear resistant cellulose base substrate /synthetic/ Tesline substrate and it should give permanent bonding.
2	Appearance	The cover material should be uniform in thickness and glossy finish, free from defect like bubbles, blisters, creases and foreign matters etc. It shall not have tendency to curl when cut in pieces of required size.
3	Sheet Size	580 mm X 545 mm grain direction

II. CHARACTERISTICS OF BASE CLOTH:

Sr. No	Parameter	Specification	Unit of measurement	Test method
1	Yarn	Shall be single ply	-	Visual
2	Thread count	Not less than 105 thread/Sq. inch	Thread/Sq. inch	IS 177 (Latest version)
3	Type of Weave	Twill weave [2/1] (Drill cloth)	-	Visual
4	Thickness of the base cloth	0.5under 1 kPa pressure	mm (minimum)	IS 7702 (Latest version)
5	Weight of the Base cloth	160 ± 5%	GSM	IS 1964 (Latest version)
6	Breaking strength (Kg/ 5 cms)	a. Warp direction: 600 b. Weft direction: 250	N (minimum)	IS 1969 Part I (Latest version) (Revelled strip method)

III. CHARACTERISTICS OF FINISHED CLOTH (BUCKRAM):

Sr. No	Parameter	Specification	Unit of measurement	Test method
1	Dimensional stability	The finished material shall not have more than 2% shrinkage	% (max)	IS 1259 Appendix F (Latest version)
2	Thickness Under 1 kPa pressure	0.33 mm± 10%	Mm (minimum)	IS 7702 (Latest version)
3	Weight of the finished cloth	300± 5%	GSM	IS 7016 Part I (Latest version)
4	Bending length test	Warp direction: 6 to 9 Weft directions: 5.5 to 7.5	cm (minimum)	IS 6490 (Latest version)
5	Breaking strength (Kg/5 cm width)	Warp direction: 700 Weft direction :350	N (minimum)	IS 1969 (Latest version) (Revelled Strip Method)
6	Grains	Similar to the drawing/template provided by ISP for texture as per Annexure A to specifications Soft copy of pit dimension shall be provided to the successful bidder.	Visual	under SEM
7	Effect on coating after lamination	Appearance of coating should remain unchanged	-	Examination under stereomicroscope after lamination up to 180^0 C ± 2^0 C temp for 1 min under normal daylight.
8	Colour	The L* value of finished cloth shall be as per attached Annexure B and ΔE shall not be more than 3	AATCC173	L* and ΔE values will be measured by instrumental analysis
9	Effect on color(after lamination)	Shall not change after lamination at the temp. of180^0 C ± 2^0 C for minimum 1 minute and color(L*& ΔE) values should be as per above Sr. No. 8 requirement.	AATCC 173	L* and ΔE values will be measured after lamination by instrumental analysis

10	Golden color metallic foil stamping	After metallic foil stamping the surface of the buckram Shall be uniform, clear, sharp, non-broken & of good quality using standard color /metallic golden color foil	-	Test to be carried out on hot stamping press under standard foil stamping condition (100^0 C to 120^0 C)
11	Effect of Golden color metallic foil stamping after lamination	There should not be any change on the surface of cover material and the Gold stamping on the cover shall not crack, fade, smudge or, come off during /after lamination		Test to be carried out in standard heat lamination at temp. 180^0 C ± 2^0 C for 1 min.
12	Cutting property	After cutting to required size the material shall show no frayed edges & the coating material shall not crack when cover material is folded & pressed		Visual inspection after cutting on Guillotine machine
13	Offsetting property	Stamping on front cover shall not offset on to back cover of adjacent next booklet, when booklets are squeezed with pressure during packing.		Examination after holding booklet under pressure clamp.
14	Resistance to damage by flexing/folding	The cover material (buckram) shall not show discoloration or cracking up to 30,000 Cycles		IS 7016 Part IV (Latest version)
15	Color fastness to dry & wet rubbing.	Minimum 4Rating. There shall be no discoloration or, change in the original shade of the finished cloth (buckram) after dry and wet rubbing.	Gray scale rating	IS/ISO 105 X12 (Latest version)
16	Colour fastness to light	Minimum rating of 4 (Blue wool scale rating)		IS 1259 (xenon arch method)/ IS/ISO 105 B02 (Latest version)

17	Surface resistance to:			
a)	Ethyl Alcohol (99%)	There shall be no change in the grain & original shade or, deterioration of the finished cloth buckram. Rating should be Minimum 4.	Grey scale rating	Keep a small piece of the sample in the said solution for 10 minutes and observe visually
b)	Distilled Water	There shall be no change in the grain & original shade or, deterioration of the finished cloth buckram when tested with distilled water.	-	Keep a small piece of the sample in the said solution for 10 minutes and observe visually
c)	Human perspiration (artificial)	Human perspiration (artificial) --- guide on chemical composition of Perspiration, as per standard IS ISO 105 - E04 2013(Acid and Alkaline perspiration) There shall be no change in the grain & original shade or, deterioration of the finished cloth buckram. Rating should be Minimum 4.	Grey scale rating	Keep a small piece of the sample in the said solution for 10 minutes and should be observed visually.
d)	Lubricating Oil	There shall be no change in the grain & original shade or, deterioration of the finished cloth buckram.	-	Keep a small piece of the sample in the said solution for 10 minutes and observe visually.
e)	Colour fastness to washing	Using SDC Standard Reference detergent Rating should be Minimum 4.	Grey scale rating	As per test method IS/ISO 105 C10 at 40° C
18	Gloss : 75^0	Within the range of 8 -15	%	IS 1060 : Part 5 : Sec 12 (Latest version)

IV. PACKING:

1. The Buckram sheets are to be packed in card board of suitable strength as well as should be water proof.
2. Each packet shall have 250 sheets.
3. The sheets shall be supplied in packet and each packet should be secured and wrapped in water proof Kraft paper (min. 150 GSM) or, heavy corrugated five ply papers or, Asphalt laminated paper in such a manner to protect from moisture and damage from other environmental factors.

V. TEST REPORT:

The supplier shall submit test results of both physical and chemical properties for each batch to ISP along with supplies from NABL accredited or Govt. approved lab.