



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
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PR No. 1000044947

Technical specifications of Consumable items for existing Screen Printer and InkJet Printer.

Sr. No	Detailed Technical Specification	Technical Compliance (Yes / No)	Additional Information (if any)
1.	Monolithic Electrodes, 18 pcs (QTY 100) Complete monolithic perovskite solar cell electrode on 20 x 25 mm sized 10 ohm/sq FTO glass 2.2 mm thick with c-TiO ₂ , m-TiO ₂ , m-ZrO ₂ and carbon layer Active area 12 x 11 mm Origin: Switzerland HS Code 8541.9000		
2	Monolithic Module Electrodes (QTY 200) 10x10 cm electrode on 7 ohm/sqFTO glass 2.2mm with c-TiO ₂ , m-TiO ₂ , m-ZrO ₂ and carbon layer Active area 75 x 76mm Origin: Switzerland HS Code 8541.9000		
3	Scribed electrode for 10x10 cm (QTY 100) perovskite module 10x10 cm FTO glass 7 ohm/sq 2.2mm thick with laser scribing (P1 lines) corresponding to the monolithic module (75x76mm active area). Origin: Switzerland HS Code 8541.9000		
4	Elcocarb B/SP, 400 g (QTY 1) Screenprint carbon pigment paste Origin: Switzerland HS Code 3801.90.00.00		
5	Zr-Nanoxide ZT/SP, 200 g (QTY 1) Screenprint zirconia paste Origin: Switzerland HS Code 8109.99.00.00		
6	Ti-Nanoxide T165/SP, 200 g (QTY 1) Screenprint titania paste Origin: Switzerland HS Code 2823.00.00.00		
7	Ti-Nanoxide BL/SP, 200 g (QTY 1) Screenprint titania paste Origin: Switzerland HS Code 2823.00.00.00		

8	Screen for Mesoporous Perovskite (QTY 1) Hot melt gasket for 10x10 cm modules Origin: Switzerland HS Code: 3919.90.50.60		
9	Printhead KM-512/SH (QTY 1) 4 pl drop volume 512 nozzles (2 lines) 360 dpi (180 dpi x 2 lines) Origin: Japan HS Code 8541.4000		
10	Printhead SAMBA W/PP cartridge (QTY 20) 2.4 pl drop volume 1.5 ml ink capacity 64 dpi Origin: United States of America HS Code 8443.9990		
11	Gasket 100 x 100mm* (QTY 50) 2.4 pl drop volume 1.5 ml ink capacity 64 dpi Origin: United States of America HS Code 8443.9990		