



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

PR No. 1000044947

Rfx. No.6100002034

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		