

## Annex I

Sr. No	Outward Daily Average Volume of transaction	Channel Allowed
1	Up to 100	PO / Web API / SFMS-MI
2	101 to 2,000	Web API / SFMS-MI
3	Above 2,000	SFMS-MI

<b>Technical requirement - PO module*</b>	
Hardware	PC having sufficient Compute, RAM and HDD to run the following software with adequate security and 1 USB port for the eToken device.
Software	Windows XP , Vista or 7 or any other OS Java JRE 7.0 32-bit only (this is regardless of the processor architecture or OS architecture 32/64 bit) for signing messages in PO Browser - Microsoft Internet Explorer v. 9+, Mozilla Firefox v.20+, Google Chrome v.20+
E-token	A security token device (Safenet /Moserbaer) connected to a USB port with its corresponding libraries installed for the respective OS that can read the certificate stored on the eToken
Certificate Requirement	Class 2 / Class 3 SHA-2 2048 bit certificates issued by IDRBT CA and have the non-repudiation flag on.
Network	INFINET connectivity with minimum 128 kbps bandwidth

<b>Technical requirement for Web-API module*</b>	
Hardware	Members need to size the hardware to handle the expected volume of payments
Software	The OS and the technology used to implement the Web Service client application can be chosen by the bank according to their preferences
Message Formats and XSDs	Please refer the circular issued on March 7, 2013 on ISO 20022 standard message formats - Rules, XSDs, Mapping Document, API Web Service information and Revised FAQs
Certificate Requirement	Class 3 SHA-2 2048 bit SSL certificate

<b>Technical requirement for Thick Client (SFMS-MI)*</b>	
Hardware	For hardware & software, please refer to latest version of installation document of SFMS available at IDRBT site.
Software	

**Note :** The hardware specifications mentioned are the minimum requirements. Members may decide the size of the hardware based on your specific needs.

**\*Adequate security measures as per RBI guidelines have to be implemented. Pre launch audit, active monitoring and regular audit of the technical infrastructure has to be ensured.**