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

PR No. 1000021779 (Rfx No. 6100000908)

Detailed Technical Specifications for Excimer Lamp and Power Supply (60W, 100W,240W)

Sl. No.		
1	Excimer lamp (40W) and power supply Technical Specifications: Krypton-chloride excimer (KrCl*) lamps with dominant emission peak at ~222 nm with full-width-half-maximum ~4 nm preferably with power supply/ballast having capability to provide adjustable power upto 100% power for the excimer lamp. Power supply/ballast that operates on 220V AC 50/60Hz is preferred. Preference will be given to excimer lamps fitted with a band pass filter with center wavelength of ~222 nm and full width at half maximum (FWHM) of ~25 nm to isolate the ~222 nm peak wavelength.	20
2	Excimer lamp (60W) and power supply Technical Specifications: Krypton-chloride excimer (KrCl*) lamps with dominant emission peak at ~222 nm with full-width-half-maximum ~4 nm preferably with power supply/ballast having capability to provide adjustable power upto 100% power for the excimer lamp. Power supply/ballast that operates on 220V AC 50/60Hz is preferred. Preference will be given to excimer lamps fitted with a band pass filter with center wavelength of ~222 nm and full width at half maximum (FWHM) of ~25 nm to isolate the ~222 nm peak wavelength.	20
3	Excimer lamp (100W) and power supply Technical Specifications: Krypton-chloride excimer (KrCl*) lamps with dominant emission	20

	peak at ~222 nm with full-width-half-maximum ~4 nm preferably with power supply/ballast having capability to provide adjustable power upto 100% power for the excimer lamp. Power supply/ballast that operates on 220V AC 50/60Hz is preferred. Preference will be given to excimer lamps fitted with a band pass filter with center wavelength of ~222 nm and full width at half maximum (FWHM) of ~25 nm to isolate the ~222 nm peak wavelength.	
4	Excimer lamp (150W) and power supply Technical Specifications: Krypton-chloride excimer (KrCl*) lamps with dominant emission peak at ~222 nm with full-width-half-maximum ~4 nm preferably with power supply/ballast having capability to provide adjustable power upto 100% power for the excimer lamp. Power supply/ballast that operates on 220V AC 50/60Hz is preferred. Preference will be given to excimer lamps fitted with a band pass filter with center wavelength of ~222 nm and full width at half maximum (FWHM) of ~25 nm to isolate the ~222 nm peak wavelength.	20
5	Excimer lamp (240W) and power supply Technical Specifications: Krypton-chloride excimer (KrCl*) lamps with dominant emission peak at ~222 nm with full-width-half-maximum ~4 nm preferably with power supply/ballast having capability to provide adjustable power upto 100% power for the excimer lamp. Power supply/ballast that operates on 220V AC 50/60Hz is preferred. Preference will be given to excimer lamps fitted with a band pass filter with center wavelength of ~222 nm and full width at half maximum (FWHM) of ~25 nm to isolate the ~222 nm peak wavelength.	5
6	Excimer lamp (350W) and power supply Technical Specifications: Krypton-chloride excimer (KrCl*) lamps with dominant emission peak at ~222 nm with full-width-half-maximum ~4 nm preferably with power supply/ballast having capability to provide adjustable power upto 100% power for the excimer lamp. Power supply/ballast that operates on 220V AC 50/60Hz is preferred. Preference will be given to excimer lamps fitted with a band pass filter with center wavelength of ~222 nm and full width at half maximum (FWHM) of ~25 nm to isolate the ~222 nm peak wavelength.	5
7	Excimer lamp (500W) and power supply	5

	Technical Specifications: Krypton-chloride excimer (KrCl*) lamps with dominant emission peak at ~222 nm with full-width-half-maximum ~4 nm preferably with power supply/ballast having capability to provide adjustable power upto 100% power for the excimer lamp. Power supply/ballast that operates on 220V AC 50/60Hz is preferred. Preference will be given to excimer lamps fitted with a band pass filter with center wavelength of ~222 nm and full width at half maximum (FWHM) of ~25 nm to isolate the ~222 nm peak wavelength.	

Notes:

1. Bidder should include the test report showing presence of peak emission at ~222 nm in technical bid.

2. Bidder should clearly state whether lamps being offered generate any UVC in technical bid.

3. Bidder should clearly state the properties of band-pass filter being offered in technical bid.

4. Bidder should clearly state warranty period for the lamps in technical bid.

5. Bidder should clearly state delivery period in the technical bid.

5. Total number of lamps of each wattage to be bought will be decided by the buyer after opening of price bids.