

Compliance Sheet

Sl. No	Our Specifications	Details	Vendors specifications*
	High Voltage DC negative pulsed Power Supply		
1	Maximum Output Voltage	20 kV (Negative Polarity)	____ kV
2	Output Voltage Range	0 to – 20 kV (variable)	____ to - ____ kV
3	Peak Current	1 Amp	____ A
4	Preferred type	Solid state modulator type (please mention)	
5	Mode of operation	Pulsed (negative with reference to the ground)	Pulsed / _____
6	Maximum over shoot or undershoot	± 2% of set voltage	± _____% of set voltage
7	Peak power	20 kW (Peak power)	____ kW peak
8	Average power	3 kW (for 20kV,1A, 1kHz, 150µs on time)	____ kW
9	Pulse repetition frequency	100 – 1000 Hz	____ to ____ Hz
10	Pulse duration	25 µS to 150 µS	____ µS to ____ µS
11	Pulse duration tolerance	± 10%	± _____%
12	Pulse rise time	5 µS ± 10%	____ µS ± ____%
13	Pulse fall time	10 µS ± 10%	____ µS ± ____%
14	Voltage ripple (peak to peak)	≤ 1% of the set voltage	≤ ____% of the set voltage
15	Line regulation	≤ 1% of the set voltage	≤ ____% of the set voltage
16	Load regulation	≤ 1% of full scale (i.e. ≤ 200 V for 0 to 1A load current)	≤ ____% of full scale
17	Protections	Following protections shall be provided	--
17a		Over current, (to trip)	Yes / No / _____
17b		Over voltage, (to trip)	Yes / No / _____
17c		Over temperature (to trip)	Yes / No / _____
17d		short-circuit (to trip)	Yes / No / _____
18a	Control through HMI	Control shall be provided by microcontroller or PLC based HMI	Microcontroller / PLC based / _____
18b		voltage setting resolution (with a resolution of 100V)	____ V
18c		frequency setting resolution (with a resolution of 10 Hz or better)	____ Hz
18d		pulse duration setting resolution (with resolution of 5 µS or better)	____ µS
19a	Monitoring	In-built mechanism should be there to provide signals to monitor real time voltage pulse.	Yes / No
19b		In-built mechanism should be there to provide signals to monitor real time current pulse.	Yes / No
19c		Monitoring signal range: preferably 0 to 10 V or 0 to 5 V	0 to 10 V / 0 to 5V / _____
19d		Terminals to capture these monitoring signals: BNC or others (please mention)	Terminals / BNC / _____
20	Continuous operation	The power supply should be able to operate continuously for at least 5 hours at	____ Hrs

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		maximum rating	
21	Output cable type	Co-axial type OR Individual high voltage cables (please mention)	Co-axial / _____
22	Output cable length	≥ 3m	≥ _____ m
23	Power supply output terminations	Suitable for connecting the supplied co-axial cable OR Individual high voltage cables	Yes / No
24a	Power supply output terminals	Co-axial HV connector	Yes / No
24b		OR	--
24c		Following terminals to be provided	--
24d		Negative HV (for HV cable core connection)	Yes / No
24e		Ground (for HV cable shield connection)	Yes / No
24f		Power supply Body ground (for safety ground connection)	Yes / No
24g		Note: Power supply body, output ground terminal can be electrically connected within power supply	Yes / No
25	Cable load terminations	cable ends suitable for Corona free connections	Yes / No
26	Warranty	Minimum 1 year on-site warranty from the date of acceptance of Power Supply.	_____ Year
27	Manuals	User manual must be provided	Yes / No
28a	Size of the power supply	It is preferable to fit into a standard 19" rack.	_____ " rack / _____
28b		Please mention the approximate size.(LxBxH)	_____ x _____ x _____
29a	Factory Acceptance Test (FAT)	All the tests mentioned in the attached Factory Acceptance Tests (FAT) shall be performed at vendor's factory premises	AGREE/DISAGREE
29b		The necessary resistive load bank and other instrumentation required for performing FAT shall be arranged by the vendor	AGREE/DISAGREE
29c		Deviations, if any, shall be mentioned by the vendor	Yes mentioned separately / No deviations / _____
30a	Final Testing at FCIPT/IPR	All the tests mentioned in the attached Site Acceptance Tests (SAT) shall be performed by the vendor at FCIPT/IPR	AGREE/DISAGREE
30b		Necessary load-bank for SAT will be arranged by the vendor (load bank can be taken back by the vendor, after SAT)	AGREE/DISAGREE
30c		Deviations, if any, shall be mentioned by the vendor	Yes mentioned separately / No deviations / _____
31	Delivery period	6 months from the date of purchase order.	_____ months

**Vendor MUST fill the offered values as mentioned against the specifications.*

Date:

Bidder's signature with stamp