

**BOQ FORMAT FOR SUPPLY INSTALLATION, TESTING AND COMMISSIONING OF PUBLIC ADDRESS
SYSTEM (INDOOR USE) FOR THE PORPOSED SBI JATNI BRANCH BUILDING**

SI. No.	EQUIPMENTS / ITEMS	MATERIALS & DESCRIPTIONS, CONFIRMING TO / SPECIFICATIONS (APPROVED BY ERTL/CE OR EQUIVALENT AND AS PER BIS:1881- 1998)	BRAND / MAKE	QTY	UNIT PRICE (INR)	TOTAL AMOUNT (INR)
1	Advanced Power Mixing Amplifier 240 Watt	240 Watt advanced power mixing amplifier with inbuilt blue tooth for audio streaming, supports audio play back form USB pen drive, 4 mike / line inputs plus music source input, 2 tone chime generator for channel 1, Inrush current 36 A, Freq response 80 to 18000 Hz, Distortion <1%, Bass & treble control +/- 8Db, Front panel has Power-ON switch with LED indication • LCD display, USB port, UBS/BT keyboard functions with IR remote sensor • Four volume knobs for microphone inputs • Volume knob for AUX input • Knob for treble level • Knob for bass level • Master volume knob • LED VU meter for master output (LEDs for -18, -12, -6,-3,0 dB) Headphone socket and surge voltage protection.	Ahuja / Honeywell / Bosch	1		
2	Booster Power Amplifier	240/480-WATT booster power amplifier having multiple outputs 70 /100 Volts and 8/4 Ohms. Temperature controlled forced front to back ventilation directly stackable, mains / battery backup ,2U 19" case, input voltage 230 Volts AC Frequency 60 to 18000 Hz, S/N Ratio > 85dB. Power consumption 760 VA, gain 40 dB. Impedance > 20 K Ohms with surge voltage protection.	Ahuja / Honeywell / Bosch	1		
3	Gooseneck microphone condenser type / wireless mic	Gooseneck microphone condenser type unidirectional with flexible stem / wireless mic, phantom powered, voltage range 12-48 Volts, sensitivity 2.5 mV/pascal, Freq 100 to 16000 Hz, output impedance < 200 Ohms. Mike to be fitted on some good quality desk stand with on /Off facility with announcement alert tune facility.	Ahuja / Honeywell / Bosch	1		

4	Recessed mount (Ceiling), Speakers 4/6/8 watts with selectable 8 Ohms, 70 & 100 Volts taps	Recessed mount (Ceiling), 4/6/8 Watt with built in 100 Volt Line Matching transformers complete with dual cone loudspeaker and frame. A circular metal grille is an integrated part of the front. Ceiling speakers are supplied with a 100 V matching transformer with taps on the primary winding for full power, half-power, quarter-power and eighth-power radiation. The unit has integral spring clamps on the rear which can be used to easily fix the loudspeaker into the false ceiling. Rated power SPL 108 dB, Effective Freq 150 to 15000 Hz, Rated impedance 1667 Ohms. Max power 8 Watt & rated voltage 70 / 100 Volts	Ahuja / Honeywell / Bosch	20		
5	Wall mounted Speakers 4/6/8 watts with selectable 8 Ohms, 70 & 100 Volts taps	Wall mounted 4/6/8 Watt with built in 100 Volt Line Matching transformers complete with dual cone loudspeaker and frame. A circular metal grille is an integrated part of the front. Ceiling speakers are supplied with a 100 V matching transformer with taps on the primary winding for full power, Half-power, quarter-power, and eighth-power radiation. The unit has integral spring clamps on the rear which can be used to easily fix the loudspeaker into the false ceiling. Rated power SPL 108 dB, Effective Freq 150 to 15000 Hz, Rated impedance 1667 Ohms. Max power 8 Watt & rated voltage 70 / 100 Volts	Ahuja / Honeywell / Bosch	8		
6	Steel Rack for Amplifiers complete with pre-wired and control accessible from the front	Convenient and quick movable on wheel, -Cable entry from the rear side, Turning Angle of front and Rear Door over 180-degree, Material SPC quality cold rolled sheet, Powder coating frame and door key lock, Compatible with 19" international standard, Maximum Loading capacity 60-80 Kg, -Welded frame with reliable structure, Front toughened Glass door with good quality of body finishing	Valrack / Honeywell / Soft chip	1		
7	Wiring Cable	Wiring: Speaker cable 1.5 sq mm 2 core PVC insulated preferably FRLS with low impedance, ISI Marked	Falcon / Finolex or equivalent	1500		
8	Digital Selector & Recorder unit	Facility to Select the announcement at particular zone either all zones or compatible with any amplifier/booster amplifier, Emergency pre-recorded evacuation message (Prerecorded good quality of voice for minimum 10 mints), Voice Recording facility to play recording voice as and when required for min 10 mints recording facility for single voice, digital display of play back sound/voice etc.	Ahuja / Honeywell / Soft chip	1		

9	PVC Conduit	PVC Conduit 1"-1.5", ISI Marked	Anchor / Finolex or equivalent	1500		
10					TOTAL:	
Note: - The quoted rates will be inclusive of packaging, labour, transportation, installation charges and exclusive of GST as applicable.						