

**BILLS OF QUANTITIES**

**PROJECT :NATIONAL LAW SCHOOL OF INDIA UNIVERSITY, BENGALURU**

**LOCATION: BENGALURU**

**DESCRIPTION : TALK BACK SPEAKER SYSTEM**

SL NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	REMARKS
1.0	Supply, Unloading, Storing, Shifting to work place, Installation, testing & commissioning of <b>15</b> zone selector <b>P.A. console</b> and with CRCA sheet housing and control desk( rack) as required. Console shall have all call / call back facility complete with battery back up and it should also work on AC single phase power. PA console, amplifier and all associate accessories shall be installed in metal sheet fabricated cabinet ( cabinet shall be measured separately ( <b>For Two way talk back systems</b> ). <b>The exisiting panel to be rechecked. The exisiting panelto be rechecked and opt for the installation.</b>	Nos	1			
a	The system should comprises the follwing features .					
b	Feather type key pads to select the zones.					
c	Moulded type plastic attractive enclosure					
d	Backlight liquid crystal display (LCD)					
e	User friendly interactive display					
f	Announcement selector - PTT Switch					
g	Listen selector switch.					
h	All Call swich to select all zones simultaneously for announcement					
i	Zones call display on the LCD with audio alarm.					
2.0	Supply, Unloading, Storing, Shifting to work place, Installation, testing & commissioning of Control unit with the follwing features with all associate accessories etc complete ( For Two way talk back systems )	Nos	1			
a	Builtin power supply					
b	Zone selector switching circuit					
c	Terminal blocks to terminate the zone wires , amplifier wires etc.,					
d	Zone call processing circuite					
3.0	Supply, Unloading, Storing, Shifting to work place, Installation, testing & commissioning of approved make Goose neck Microphone with all associate accessories etc complete ( For Two way talk back systems )	Nos	1			

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SL NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	REMARKS
4.0	Supplying, installing, testing and commissioning of 6 Watts wall mounted 2-Way Talk Back speaker with press to talk switch,in CRCA sheet fabricated with LMT for talk back facility with necessary fittings etc complete.					
	Supply	Nos	12			
	Installation	Nos	12			
5.0	Supplying, installing, testing and commissioning of Amplifier of 250 W RMS out put including necessary control wires, jocks etc as required.					
	Supply	Nos	1			
	Installation	Nos	1			
6.0	Supply and installation of 2C x 1.5 Sqmm FRLS copper twisted shielded cable for talk back system.Make: Varsha/Deepanjan					
	Supply	Mtrs	500			
	Installation	Mtrs	500			
7.0	Supply and Installation of 25mm dia PVC FRLS Conduit - 2mm thick including all accessories like bend,collar etc.					
	Supply	Mtrs	500			
	Installation	Mtrs	500			
<b>TOTAL OF TALK BACK SYSTEM</b>						