TENDER ID: BHU201910009

BILL OF QUANTITIES FOR AIR-CONDITIONING WORK OF SBI JAGANNATHPARA KESINGA BRANCH NEW PREMISES, BHAWANIPATNA REGION

Sl No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
				(in Rs)	(in Rs)
	AIR CONDITIO	NING W	ORKS		
1)	Supply and installation of 4 way 4.0TR Cassette Type Air conditioner with scroll / Rotary / Twin rotary, having R32 /R37/ R410A (Eco Friendly) refrigerant including indoor unit outdoor unit, decorative grille and cordless remote and machine shall have copper condenser unit (Mitsubishi/ O General/ Daikin/ Bluestar/ Carrier/ Hitachi/	3	No.s		
2)	Supply and installation of air cooled 1.5 TR HIGH WALL MOUNTED (BEE 3 STAR RATED) Type air conditioning units as specified; each unit shall comprise of separate Indoor and outdoor unit specified and as under: Indoor (fan coil) unit shall be Wall Mounted type and shall have proper insulated & leak proof condensate base connected. The outdoor (condensing unit) shall be of Corrosion resistant Galvanized powder coated or equivalent Sheet steel low vibration assembly installed on suitable vibration isolators and comprising of energy efficient Rotary compressor with copper condenser coils only. The rate shall include 3.0 mtr. of refrigerant pipe & electrical cabling for each machine. The above specified units shall be supplied & installed at locations as mentioned in the layout All machines shall be white in color. MACHINES SHALL HAVE LATEST STAR	1	No.s		

BAND VALIDITY (Mitsubishi/ O General/

3)	Supply and installation of air cooled 1.0 TR HIGH WALL MOUNTED (BEE 3 STAR RATED) Type air conditioning units as specified; each unit shall comprise of separate Indoor and outdoor unit specified and as under: Indoor (fan coil) unit shall be Wall Mounted type and shall have proper insulated & leak proof condensate base connected. The outdoor (condensing unit) shall be of Corrosion resistant Galvanized powder coated or equivalent Sheet steel low vibration assembly installed on suitable vibration isolators and comprising of energy efficient Rotary compressor with copper condenser coils only. The rate shall include 3.0 mtr. of refrigerant pipe & electrical cabling for each machine. The above specified units shall be supplied & installed at locations as mentioned in the layout All machines shall be white in color. MACHINES SHALL HAVE LATEST STAR BAND VALIDITY (Mitsubishi) O General/	2	No.s	
4)	Providing & Fixing of M.S. Stand for cassette air-conditioner outdoor Condensing unit. It shall be made out of heavy gauge M.S channels, angles, flats etc. of appropriate size & thickness duly painted with anti-corrosive paint. The entire item has to be executed as / req. of the machine & site	3	No.s	
5)	Providing & Fixing of M.S. Stand for split air-conditioner outdoor Condensing unit. It shall be made out of heavy gauge M.S channels, angles, flats etc. of appropriate size & thickness duly painted with anti-corrosive paint. The entire item has to be executed as / req. of the machine & site	3	No.s	
6)	Providing & Fixing of insulated PVC drain lines with Nitrile rubber insulation for various units in clamping manner above false ceiling & in concealed manner below false ceiling level. From the structural ceiling it should hanged using self threaded rods or shall be fixed on wall /beam etc. with clamps & the distance between 2 clamps shall be less than 1 meter. It shall not be placed over the false ceiling nor it shall be fixed with false ceiling members. It shall be laid required gradient for easy disposal of the drain water & testing shall be done before filling the zaries. The drain line shall not be laid in the floor (except toilets & other utility areas where there are no electrical lines in the floor). All drain pipes of split / Cassette air-conditioners should be PVC of suitable size as recommended by manufacturing company and it should be connected to the	50	Mts	
7)	Supply & fixing 5kVA voltage stabilizer of stabilizing range 130V-270V of standard make as per direction of engineer in-charge	1	No.s	

8) Supply & fixing 4kVA voltage stabilizing range 130V-270V of star per direction of engineer in-charge		No.s		
Providing & Fixing Refrigerant copwall AC and Cassette AC laid betwoutdoor unit as per OEM's specificar 3.0 R.Mtr. for each Machine (applied AC only)) duly insulated with Cretardant sleeve type elastomeric insulation. The item also incledectrical flexible cable of appropriation of the rubber in Nitrogen testing (totally sealed proposed machine). It shall be in the manner above false ceiling & in the manner above false ceiling leves structural ceiling it should hanged fixed on wall / beam etc. with a distance between two clamp shall be meter. It shall not be placed over the nor it shall be fixed with false ceil The diameter / gauge of the ref. piper the specifications of the Micrompany (OEM) only for each type The above item include the cost of	een indoor & ions (Beyond cable for split ass "O" fire nitrite rubber ades copper ate size. Alu. to provide UV radiation in case of otal clamping tal concealed l. From the cor shall be lamps & the eless than 1 e false ceiling ing members. The shall be as fanufacturing to of machine.	No.s		
10) Supply & laying FRLS PVC instance cable between indoor and outdoor u air-conditioners (5 core copper cable mm)	nit of cassette 32	Mts		
		T	OTAL	