

BILL OF QUANTITIES FOR THE AIRCONDITIONING WORK
IFB SAKI NAKA BRANCH

SCHEDULE OF QUANTITIES:

SR.NO	ITEM DESCRIPTION	QTY Total	UNIT
	SECTION A: HIGH SIDE		
1.0.	DX-AIRCOOL PACKAGE AIR-CONDITIONERS:		
	Supply & Installation Testing & commissioning of GREEN GAS Aircooled PACKAGE TYPE SPLIT Airconditioners comprising Indoor Air Handling Unit, isolating valves, thermostatic control, safety cutouts, and vibration isolation pads with hermetic scroll compressor, air-cooled condenser coil, condenser fan(s), mounting frames, cowl, HP/LP cutouts, thermostats, epoxy painted MS stand, REFRIGERANT 407C/410A.I servicable indoor unit, cooling coil. expansion valves, starters, verload protection devices, single & phase reversal protectors, outlet canvass, & outlet damper etc. as per article AIR COOL PACKAGE DUCTABLE SPLIT UNITS (Make: Voltas/Diakin/Hitachi/Blue star)		
1.1.	17TR PACKAGE	2	NOS.
	SECTION (B): LOW SIDE		
2	REFRIGERANT PIPING		
	Supply Installation and Commissioning of hard/soft Insulated Copper Refrigerant piping (ARMAFLEX insulation) complete with fittings, elbows, bends, supporting arrangement on walls, cable trays/trenches.		
2.1.	17 TR PACKAGE	125	RMT.
3	FRAME WORK		
	Supply, Fabrication and Installation of MS base BALCONY TYPE frame for Indoor & Outdoor units complete with epoxy painting, vibration isolation pads, supports, hangers, railing, brackets etc. Note: Apply 2 coats of epoxy primer and 2 coats of black paint		
3.1.	17 TR PACKAGE	2	NOS
4	DRAIN PIPING		
	Condensate Drain Water piping constructed out of PVC / HDPE hard pipes, fitting, accessories, bends, elbows, tees, flanges, tappings, wall sleeves, hangers, supports, anchors.		
4.1	32 mm nom. Dia	20	RMT
4.2	50 mm nom. Dia	20	RMT
5	SHEET METAL WORK		
	Supply, Fabrication, Installation, Testing & Commissioning of following gauges of Galvanised Iron (GI) Sheet ducting with accessories like anchor fasteners, black painted MS angles/ rods for supporting, bracing & frames neoprene rubber gaskets, galvanised hardware, rivets, vanes, radius collars, etc. as per complete with splitters, supports, dampers, and turning vanes.		

5.1	24 Guage Ducting	150	SQFT
5.2	22 Guage Ducting	150	SQFT
5.3	18 Guage Ducting	150	SQFT
5.4	Supply and Installation of Fresh Air Dampers, with birdscreen and louvre / cowl.	15	SQFT
5.5	Supply and Installation of Fire Dampers with Fusible Linkages	15	SQFT
5.6	Supply and Installation of Duct Volume control Dampers, constructed out of 20 G GI sheet.	15	SQFT
5.7	Flexible double canvass connections for Packaged / Ductable Airconditioners	4	NOS.
6	GRILLES AND DIFFUSERS:		
6.1	Supply and Installation of 6" wide Aluminium powder-coated Linear Grilles	50	SQFT
6.2	Supply and Installation of Black MS Box- Type Volume Control Dampers	15	SQFT
7	DUCT INSULATION		
7.1	Thermal Duct Insulation with 25 mm thick UPTwiga 200 Aiuminium backed fibre glass insulation fixed using shalikote primer & hot bitumen.	800	SQFT
7.2	Accoustic lining of duct work with 25mm thick UP Twiga 300 fiberglass stick using shalikote primer hot bitumen and mechanically fastened, covered with RP tissue and 30 G aluminium perforated sheet as per specs. Accoustic lining shall be rigid board.	500	SQFT
8	ELECTRICAL CABLING		
8.1	Providing and laying electrical cabling 4 Core x 6mm2	150	RMT
9	Installation Testing & commissioning of		
	17 TR PACKAGE	2	NOS
10	REFRIGERANT 410A/407C	35	KG
	TOTAL OF B		
	TOTAL OF A+B		
	GST ON A(28%)		
	GST ON B(18%)		
	TOTAL AFTER GST		