

CHILLER PLANT RELOCATION WORKS**LIST OF APPROVED MAKES**

ITEM	APPROVED MAKES
Refrigeration Machines:	
Chillers – R134a	Existing Chillers are of Trane and will be continued after relocation
Air-cooled Split Units – Min.5 Star rated	Carrier, LG, Daikin, Toshiba
Pumps & Pumping System:	Xylem, Grundfos, Armstrong
AHUs:	
Ch.W.AHUs	Stulz, Euroclima
Centrifugal EC Fans	EBM Papst, Zeihl-Abegg
Centrifugal Fans	Kruger, Nicotra
Chilled Water Fan Coil Units	Midea
Inline Fans:	Kruger, Systemair, Dynair, Lau, Ostberg
Axial fans:	Kruger, Nicotra, Systemair, Dynair
Air curtains	Euronics, Systemair, Russell
Motors:	Siemens, ABB, Crompton
Variable Frequency Drives:	Danfoss-HVAC, ABB HVAC, Fuji
Air Distribution:	
GS sheets - LFQ as per IS 277 –Class VIII-120 GSM	Jindal, SAIL-Bhilai, TATA
Al sheets	Jindal, SAIL-Bhilai
Prefabricated GS Ducts as per IS-655	SA Spiro, ASAWA, Rolastar, Zeco, Ductofab
Insulated flexible ducts	UP Twiga, ATCO, K-flex
Dampers, Louvers, Motorised Dampers,	George-Rao, Dynacraft, Cosmos
Fire Dampers	George-Rao, Dynacraft, Cosmos
Grills, Diffusers, Aluminium Box Type Dampers, Jet Nozzles	Dynacraft, Air Products, Cosmos
Circular GI Spigots with damper & locking arrangement	Dynacraft, George-Rao, Cosmos
Exhaust Disc Valves and Door Transfer Grille	Dynacraft, Air Products, Cosmos
Damper Actuated Motors with Control Panel	Belimo, Joventa
Perforated Al Powder Coated Sheets	George Rao-Airproducts, Cosmos
Filter Plenums	George Rao
Air Volume Regulator	Aldes-Euro register, Trox
VAV boxes	Dynacraft, Air Products, Cosmos (compatible with BMS and with open protocol)
Air Filters	Camfil-Farr, Aspen, AAF, Dyna Filters
Bi-Polar Ioniser, Ioniser	Atmos, Activtek
Aircurtains	Euronics, Systemair, Russell
Heaters	Sushma, Heatray, Daspas, Escort
Portable Steam Humidifiers	Eaton-Williams, Nordec, Vapac, Carel
Refrigerant Piping:	
Copper pipes & Fittings	Nippon, Bundy, Mandev, Nissan, Rajco
Water Distribution:	
Pipes	Tata, Jindal, Zenith
Drain Piping – hard PVC	Finolex, Astral,
MS/CS Fittings	RR, KS, Venus, Shah Bhogilal, Kirti
Butterfly Valves	Audco, Advance, Belimo, Danfoss, Intervalle
Ball Valves (3Piece)	Audco, Leader, Zoloto, RB
Ball Valves with strainer	Leader, Zoloto, RB
Air release valves	Spirovent, Leader, Anergy
Purge Valves	Anergy, Leader
Balancing Valves	Advance, Danfoss, Belimo, T & A, Oventrop
Non-Return Valves	Advance, Leader, Intervalle
Globe/ Gate Valves	Leader, Zoloto
Pot /Y Strainers	Trishul, Leader, Sant
Expansion Bellows	Resistoflex, Cori, Kanwal, RMS Corp.

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Combination Suction Deareator & Dirt Separator	Spirovent
Magnetic Particle Collector (Line Separator)	Electroflux
Test Ports	Anergy
Inlet Guide	Anergy, Xlylem, Grundfos, Armstrong
Closed Pressurised Expansion Tank	Anergy, Xlylem, Grundfos, Armstrong
Centrifugal Air Separator	Anergy
Controls and Instruments:	
Pressure Gauges	Pioneer, Warea (Baumer)
Thermometers with thermowells	Pioneer, Warea (Baumer)
Flow Switch, Pressure Switch	Danfoss, ALM Systems
Magnehelic Gauges	Dwyer, ALM, Warea (Baumer)
DP Ports	ALM Systems
BMS:	Compatible to Central BMS / IBMS & with Modbus RTU, BACnet / Bacnet IP Protocol
2-way motorised Valves, Actuators	Siemens, Honeywell, Belimo,
PIBCV	Danfoss, T&A, Oventrop, Belimo
Sensors, Controllers, Monitors, Thermostats, Temp. Indicators (Low side)	Siemens, Honeywell, Belimo, Carel
Insulation:	
Ch.W. Piping HD-EPS	Beardsell, Modifoam
Ch.W.Piping – Nitrile Foam Class O	Armaflex, K-Flex
Undeck Insulation – Nitrile Rubber Class O	Armaflex, K-flex
Glass wool (Fibre Glass)	UP Twiga, Kimmco, Owens-Corning
Class'O' Closed Cell Nitrile Foam for ducting, piping	Armaflex, K-flex
Cold Compound / CPRX Compound	Shalimar, Shalicoat, Proprietary as per Insulation Mfg. Spec's
Lagging	Pidilite
Adhesive for Closed Cell / EPDM	Pidilite / Proprietary as per Insulation Mfg. Spec's
Miscellaneous:	
Vibration Isolators/Cushy Foot Mounts	Dunlop, Resistoflex, Kanwal
V-Belts	Dunlop, Fenner
Hardware	Sundaram Fasteners, GKW, Fittight
Anchor Fasteners	Shakti, Hilti
Water Storage Tanks, Expansion Tank	Sintex, Surya.
Paint	Nerolac, ICI, Asian, Berger
Welding Rods	ESAB, Advani-Orlecon
MV Switchgear and Ancillaries:	
MCCB	Siemens, Schneider, L&T
MCB/DB/RCCB	Siemens, L&T, Schneider, MDS
SFU, HRC & Control Fuses	Siemens, L&T
Starters and Contactors	Schneider, Siemens, L&T
Relays	Schneider-MG, Siemens, L&T, Hager, MDS
Timer	L&T, MDS, Legrand
Indicating Meters	IMP, Mecco, L&T, AE, Enercon
Signal Lamps	Teknic, Siemens
Push Buttons	Siemens, Teknic
Terminals, Connectors in Panels	WAGO, Connectwell
Cables & Wires	Finolex, Polycab
Glands	Commet, Braco
Lugs	Jainson, Dowel