


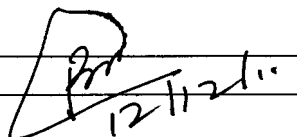
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ANNEXURE-I

Specification No.RDSO/PE/SPEC/AC/0061- 2005 (Rev-1)

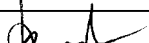
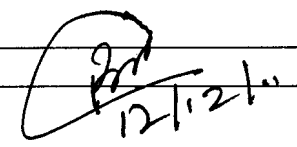
ACCEPTABLE MAKES OF EQUIPMENT

S. No	Description	Quantity	MAKE
1	Compressors (Scroll type)	2 Nos.	Emerson climate Model No. ZR 61 KCE TFD 522
2	U loop copper connectors at suction & discharge of compressors (2 for each compressor)	4 Nos.	Firm's own make
3	Condenser fan motor, as per RDSO specification No. RDSO/PE/SPEC/ AC/0089 (Rev.0) with amendment No.1 or latest	2 Nos	As per RDSO approved sources.
4	Condenser fan (FRP blade) having Physical, mechanical & Chemical properties as given in RDSO specification.)	2 Nos	Multiwing/Everfine/Hascon or any other make with prior approval of RDSO.
5	Cooling coil	2 Nos	Firm's own make or RDSO approved make
6	Blower fan motor with double extended shaft, as per RDSO specification No. RDSO/PE/SPEC/AC/0089 (Rev.0) with amendment No.1 or latest	2 Nos	As per RDSO approved sources.
7	Filter cum drier	2 Nos.	Danfoss/Alco/Spolon or any other make with prior approval of RDSO.
8	Blower fan	2 Nos	----
9	Thermostatic expansion valve (One in each refrigeration circuit.)	2 Nos	Danfoss/Alco/Sporlon or any other make with prior approval of RDSO.
10	Three phase stainless steel heater element	1 set	----
11	High pressure cut out/Switch direct mounting type (cartridge pressure control)	2 Nos	Danfoss/ Alco or any other make with prior approval of RDSO.
12	Low pressure cut out/Switch direct mounting type	2 Nos	Danfoss/ Alco or any other make with prior approval of RDSO.
13	Overheat Protector Protection switch (Setting 65 Deg.C Max.)	1 No.	Alert or any other make with prior approval of RDSO
	Fusible link (Setting 130 Deg.C Max.)	1 No.	ESTI MAKE, ESTI-SCHALTE EDA 25 or any other make with prior approval of RDSO

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14	Stainless steel drip tray for evaporator coils	2 Nos	----
15	Compressor anti- vibration mounting required	As required	-----
16	Condenser motor anti-vibration mounting	As required	-----
17	Anti-vibration mounting pads for overall package Unit	4 Nos.	Resistoflex (CFX 70E) or any other RDSO approved make.
18	Copper piping (As per IS:10773 with dimensional requirement as per IS: 5493, Material Code C-12200 when tested as per ASTM B-68/75/743)	As required	-----
19	Water proof bellows made of fire retardant material with metallic frame at both ends (As per RDSO spec. RDSO/PE/SPEC/AC/0136 (Rev.0)-2009	5 Nos	Navair/Delkon or any other make recommended by RDSO.
20	Cable for power (e-beam) RDSO specification No. RDSO/SPEC/ELC/0019 (Rev.0)-2002 or latest	As required	As per RDSO approved sources
21	Cable for control PTFE as per JSS 50134	As required	-----
22	Fresh & Return filters	2 Nos each	As per RDSO approved sources
23	Non-metallic conduit	As required	Polyamide Halogen free as per IEC 61386 - I
24	Structure & sheet material	As required	SS 304 grade S2 as per IS:6911
25	Refrigerant sight glass	2 Nos.	Danfoss/Alco or any other make with prior approval of RDSO.
26	NTC temperature	2 Nos.	With prior approval of RDSO.
27	Connectors for power & control (Cage clamp type)	4 Nos.	HARTING make Han E type connector with silver plated crimped terminals i)24 pins Harting part No. 09300240301 (base with two lever), 09330242602 (Male insert), 09330242702 (Female insert), 09300240510 (Hood) with suitable pin as per cable size. ii)16 pins Harting part No. 09300160301 (base with two lever), 09330162602 (Male insert), 09330162702 (Female insert), 09300160510 (Hood) with suitable pin as per cable size. OR

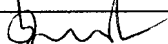
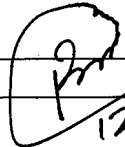
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			Equivalent Hypertac make with silver plated crimped terminals or any other make with prior approval of RDSO
28	Insulating material	As required	-
29	Dehydrator cum filter for liquid line	2 Nos.	Danfoss/Alco
30	Pressure transmitter/sensor/transducer	04	Alco/WIKA Eco R-1/Danfoss/Baumer/ Thermokon
31	Indicating instruments	-	SIFAM or any other make with prior approval of RDSO.
32	Indicator lamps	-	GROUP SCHIENDER/Siemens
33	Cable marker (Computer generated)	-	Tyco/Phoenix contact/Panduit
34	Crimping sockets/lugs	-	As per ICF/RCF approved sources
35	Heat Shrinkable sleeve	-	Tyco/Phoenix contact/Panduit
36	Rotary Switch	-	KAYCEE/GE/Salzer
37	Terminal blocks	As required	Wago/Phoenix contact

Note :

- 1) Heat shrinkable sleeves, terminal blocks and cable marker shall have fire retardant properties grade V0 as per UL94.
- 2) Any other make and model of equipment/component can only be considered with prior approval of RDSO.

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