

**Specifications for Electric Hot air oven (350 Degree C)**

SL	Technical Specification	Details
1	Item	Electric Hot air Oven
2	Type	Floor mountable /Bench type
3	Tray::Trolley	minimum 1no (REMOVABLE TYPE / SS material)
4	Heating Load ( Kw )	minimum 6kw ✓
5	Voltage ( V )	440
6	Door Type	Single/Double
7	Capacity	minimum 100kg
8	Length (Inner) ( mm )	minum 750mm
9	Width (Inner) ( mm )	Minum 600mm
10	Height (Inner) ( mm )	Minum 600mm
11	Automation Grade	Semi automatic/automatic
12	Safety	Cut-Out at over Temperature & Over Temperature Protection
13	Other Features required	3 Phase Preventer to avoid un-necessary tripping
13.1		Air circulation Fan for uniform heat circulation
13.2		Contactor
13.3		Control Panel
13.4		Door Limit Switch
13.5		Energy meter
13.6		LED indicator
13.7		MCB
13.8		MPCB
13.9		On/Off for Heater
13.10		Temperature Controller
14	Warranty ( A )	minimum 1yr
15	Manufacturer Should Have ISO Certification For Quality Standards	Yes
16	Heating Job Size	Maximum job/flexible dimension is LXWXH = 733 X 152 X 25mm ( without bend /Flat condition) 8-10 no of jobs are kept at a time ( Skecth attached @ Page no-02)
17	Insulation	min 100mm
18	Heating job drawing	31001416038 Rev:01 attached @ Page no-03
19	Compartments material	Stainless Steel
20	Temperature Accuracy	±5°C (at 350°C)
21	Temperature Range	<b>350°C</b>
22	Temperature sensor	RTD based
23	Maximum temp heating time ( up to max 350°C)	Minimum 45minutes to 60 minutes
24	Temperature Resolution /control	5°C though Microprocessor/PID based
25	Protections	MCB protection, overload & overheat
26	Time resolution	1minute
27	Material Door and Outer Body	Stainless Steel
28	Display Hot Case Temperature & Time	Yes, digital display & control
29	Inner Body & Outer Chamber Body	Stainless Steel Grade & MS power coated
30	Electricity Input	230V or 440V 50Hz, AC supply
31	Forced fan (KW)	To be provide by vendor for uniform temp distribution
32	Calibration	Display panel/system required to be calibrated by NABL
33	OEM/Dealership certificate	<b>OEM/Authorized dealership certificate is required</b>
34	Manual	Operation and Maint manual required
35	Civil foundation	Not required
36	Installation	Supplier scope
37	Commissioning	Supplier scope
38	Training	Supplier scope

*Signature*  
09/02/2022

Prepared by:

Dy. Manager Production

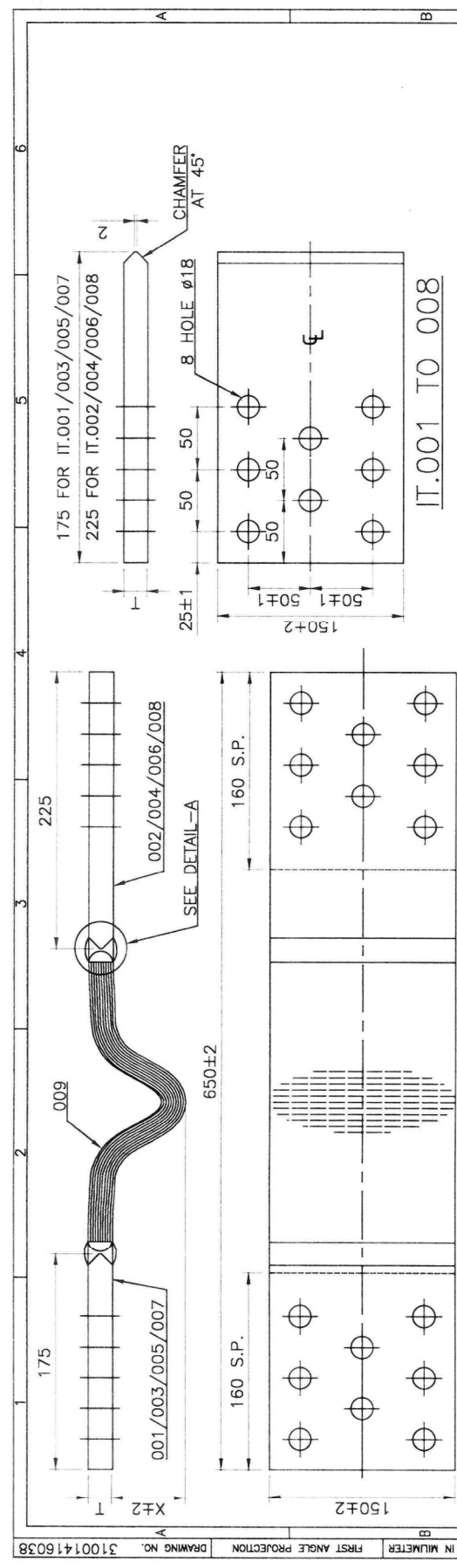
Sign & Seal of Bidder

Checked & Approved by:  
HOD (Production & FES)

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*Signature*  
09-02-2022

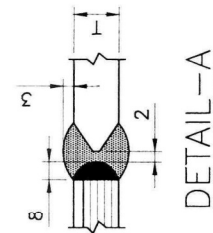
Annex-1 (Part 2/3)

Annex-1 PN- (2/3)



VAR.00,01,02,03

VAR NO.	X	T	FINISH WT.	S.P. AREA
00	72	12.7	3.366 KG	1112.86 SQCM
01	75	16	4.230 KG	1173.73 SQCM
02	80	20	5.298 KG	1247.53 SQCM
03	85	25	6.630 KG	1339.76 SQCM



*[Signature]*

NOTE :  
 1. ALL DIMENSION IN MM.  
 2. ALL BURRS TO BE REMOVED AFTER SLOTTING.  
 3. SURFACES TO BE FLAT & FREE FROM BLEMISHES.  
 4. TOLERANCES ONLY APPLICABLE AS MENTIONED.  
 5. 100% DP TEST ON ALL WELDED JOINTS ARE TO BE CARRIED OUT.  
 6. 10% RADIOGRAPHIC TEST ON WELDED JOINTS ARE TO BE CARRIED OUT.

055	044	035	028	009	0.46TKx 50x283 LG AL-ALLOY STRIP	AA 123 19	0.052
001	---	---	---	008	25TKx150x225 LG AL-ALLOY FLAT <td>GRADE:19501</td> <td>2.14</td>	GRADE:19501	2.14
001	---	---	---	007	25TKx150x175 LG AL-ALLOY FLAT <td>GRADE:19501</td> <td>1.63</td>	GRADE:19501	1.63
---	001	---	---	006	20TKx150x225 LG AL-ALLOY FLAT <td>GRADE:19501</td> <td>1.71</td>	GRADE:19501	1.71
---	001	---	---	005	20TKx150x175 LG AL-ALLOY FLAT <td>GRADE:19501</td> <td>1.30</td>	GRADE:19501	1.30
---	---	001	---	004	16TKx150x175 LG AL-ALLOY FLAT <td>GRADE:19501</td> <td>1.37</td>	GRADE:19501	1.37
---	---	001	---	003	16TKx150x175 LG AL-ALLOY FLAT <td>GRADE:19501</td> <td>1.04</td>	GRADE:19501	1.04
---	---	---	001	002	12.7TKx150x225 LG AL-ALLOY FLAT <td>GRADE:19501</td> <td>1.08</td>	GRADE:19501	1.08
---	---	---	001	001	12.7TKx150x175 LG AL-ALLOY FLAT <td>GRADE:19501</td> <td>0.83</td>	GRADE:19501	0.83

CUSTOMER		GENERAL		PROJECT/PRODUCT	
UNTO DIM GR	SCALE	WEIGHT-KG	IPBD	DRN.	DATE
C/ J/ M/ F	1:1			002/004/006/008	12/07/2018
DEPT: BDE	TITLE			CHKD. RUPESH	12/07/2018
				APPD. ARVIND	12/07/2018
				REF TO ASSY.DRG.	
				DRAWING NO.	31001416038
				SHEET NO.- 01	NO. OF SHEETS- 01
					SIZE- A3

Annexure-I  
(No. 34)

