RES Cost Sheet

S.No	Item Description	Dia	Length	Width	Thickness	Qty/bty	Units of Purchase	Density	Area	Volume	Weight/ SFT	Rate per unit of Purchase	Cost
1	LID												
1.1	Lid Blank					1							
1.2	Deliver Pin					4							
1.3	Glass to Metal Seal												
2	LID ASSEMBLY-A												
2.1	Lid					1	NO's					12.00	12
2.2	Tie wire		100.0	6	0.15	3	gms	9	8.16	0.12	0.00324	45.00	0.15
2.3	Glass Textolyte Disc (Pin Isolater)					1	NO's					32.00	32
2.4	Pin Connectors					2	NO's					24.00	48
2.5	Lead for Anode		100.0	6	0.15	3	gms	9	8.16	0.1224	0.003305	4242.00	14.02
2.6	Lead for Cathode		100.0	6	0.15	2	gms	9	8.16	0.1224	0.002203	4232.00	9.32
3	SQUIB ASSEMBLY												

3.1	Squib Terminals		50	6	0.15	2	gms	9	4.16	0.0624	0.001123	24352.00	27.35
3.2	Squib					1	NO's					45.00	45.0
3.4	FX-70 disc	28			1.6	3	SFT		900		0.00963	2442.00	23.5165
3.5	Glass Textolyte Disc-A(Top)					1	NO's					22243.00	22243
3.6	Glass Textolite Disc-A (Bottom)					1	NO's					44223.00	44223
3.7	Silicon Bonded Mica Disc	28			1	13	NO's	2.15	9.0	0.9	0.025155	24424.00	614
4	TOP ASSEMBLY												
4.1	Mica Disc					1	NO's					24424.00	24424
4.2	HEAT PELLET-2	28			0.63	6	gms	4.00	6.15	0.39	9.24		
4.3	Fiberfrox Disc	28			1.6	7	SFT		900		0.00963	42422.00	408.5239
4.4	S.S Disc (0.8mm)					1	NO's					444.00	444
5	CELL ASSEMBLY												
5.1	Current collectors S.S Disc (0.05mm) - Anode	26			0.05	17.0	gms	8	6.15	0.0308	0.004189	442.00	2
5.2	Current collectors S.S Disc (0.05mm) - Cathode	28			0.05	17.0	gms	8	6.15	0.0308	0.004189	24.00	0

5.3	Anode pellets	26			0.46	17.0	gms		5.31	0.2443	4.42		
5.4	Cathode pellets	28			0.46	17.0	gms		6.15	0.28	13.43		
5.5	Electrolyte pellets	28			0.48	17.0	gms		6.15	0.3	9.35		
5.6	Heatpellet - 1	28			0.67	17.0	gms		6.15	0.41	27.2		
5.7	Current collectors for Anode	28			0.15	2	gms	9	17.0	0.26	0.00468	434.00	2
5.8	Current Collectors for Cathode	28			0.15	2	gms	9	17.0	0.26	0.00468	43.00	0
6	BOTTOM ASSEMBLY												
6.1	Mica Disc					2	NO's					243.00	486
6.2	HEAT PELLET - 3	28			0.59	5	gms	0.58	6.15	0.36	7.05		
6.3	Fiberfrox Disc	28			1.6	6	SFT		900		0.00963	4.00	0.0385
6.4	S.S Disc(0.8mm)					1	NO's					24.00	4
6.5	Brace Plate					1	NO's					13.00	13
7	TIE WIRE CRIMPING												
7.1	Stack pyro Wicks-02		100.0	6	0.15	4	gms		8.16	0.12	0.00072	422222.00	303.9998

7.2	Flexible Samica Strips for Tie wires		100.0	6	0.15	6	gms	1.5	8.16	0.12	0.00108	343.00	0
7.3	Mica Strips for Tie wire					3	NO's					3443.00	10329
7.4	Mica Strips for Leads					4	NO's					24.00	972
8	STACK WRAP												
8.1	Fiberfrox strips Stack Wrap		100.0	96.71	1.6	2	SFT		19342.0		0.206959	64.00	13.2454
8.2	Glass Cloth Tape					1						7567.00	7567
8.3	Glass Cloth Gum Tape					1						45234.00	45234
8.4	Flexible Samica Wrap		100.0	96.71	0.1	2	gms	1.5	96.71	0.97	0.00291	54.00	0.1571
9	CONTAINER ASSEMBLY												
9.1	Container					1	NO's					3554.00	3554
9.2	Fiberfrox strip Container Insulation		100.0	96.71	1.6	2.0	SFT		19342.0		0.206959	342.00	70.78
9.3	Silicon Bonded mica disc for Housing	38.0			1.0	9	gms	2.15	16.0	1.6	0.03096	344.00	10.6502
9.4	Fiberfrox Disc	28			1.6	8	SFT		900		0.00963	3443.00	33.1561
9.5	Battery Cap					1	NO's					554.00	554

9.6	Argon gas cylinders					0.2	cum					344.00	69
9.7	Helium gas cylinders					0.1	cum					3454.00	345
		Ratio (%)											
1	Anode Pellet												
a	Lisi	85									0.004133	55645.00	229.980785
b	EB(80:20)	15									0.663		
c	Licl	45									0.000263	454.00	0.119402
d	KCl	55									0.000321	4332.00	1.390572
e	Mgo	20									0.000146	2344.00	0.342224
2	Cathode pellet												
a	Fes2	73.5									0.010858	344.00	3.735152
b	Li2S	1.5									0.000222	435454.00	96.670788
c	EB(80:20)	25									3.3575		
d	Licl	45									0.00133	3455.00	4.59515

e	KCl	55									0.001625	344334.00	559.54275
f	Mgo	20									0.000739	43443.00	32.104377
3	Electrolyte												
a	EB(60:40)												
b	Licl	45									0.002777	434.00	1.205218
c	KCl	55									0.003394	3455.00	11.72627
d	Mgo	40									0.004114	4343.00	17.867102
4	Heat pellet												
a	Fe	87									0.0416	3434.00	142.8544
b	Kclo4	13									0.006219	43443.00	270.172017
	Total											163503.213707	