

Procurement Plan for EMDD

Equipment

Serial No.	Name of equipment /Quantity	Quantity	Estimated cost In INR
1	UV-Vis Spectrophotometer, with PC Intel Pentium i3 Processor	01 Set	Rs. 9,17,000/-
2	Xenon Lamp and Optical Power Meter	01 Set	Rs. 11,50,000/-
3	Solar simulator	01 Set	Rs. 12,00,000/-
4	Photoelectrochemical work station with PC Intel Pentium i5 Processor	01 Set	Rs. 20,00,000/-
5	Power supply 10A 100-240V for your existing M. Braun Glove Box UniLab	01 Set	Rs. 66,938/-

Consumables

S.L. No.	Product Code	Make	Product description	Pack Size	Price in INR
1	221473	Merck	Potassium hydroxide	1 kg	6754.77
2	8074901000	Sigma	Polyethylene glycol 4000	1 kg	8999.89
3	216011	"	Ammoniumfluoride	500g	4817.44
4	41640	"	dimethyl sulfoxide (DMSO)	100ml	3,485.42
5	M5801	"	Mercaptopropionic acid	100g	2,780.09
6	216828	"	Iron nitrate	250g	6,280.00
7	322385	"	Ammonium tungstate	10g	12953.80
8	230499	"	Selonourea	1gm	7004.15
9	T8656	"	Thiourea, ACS reagent, 99.0-100.5%	500 gm	7869.9
10	208043	"	Sodium sulfide nonahydrate	500g	7,248.39
11	S0505	"	Sodium sulfite	250g	5779.9
12	243655	"	Sodium molybdate dehydrate	100g	3618.56
13	32344	"	Ammonia tetrathiomolybdate	1 gm	8258.38

14	07672-250G	"	N,N-Diethyl-p-phenylenediamine sulfate salt≥98.0% (T)	250g	6,604.54
15	P8125-5KU	"	Horseradish Peroxidase Enzymes	5000 units	4095.90
16	360503	"	2-methoxyethanol	1 lit	4,579.17
17	M2659	"	Melanine	1kg	1699.53
18	221228	"	Ammonium hydroxide solution,	2.5L	9,283.86
19	187364	"	Cyanamide	100 gm	9,013.20
20	D76609	"	Dicyandiamide	1Kg	3,040.00
21	244066	"	Nickel(II) acetate tetrahydrate,98%	500 gm	4,673.10
22	244066	"	Nickel(II) chloride hexahydrate	500 gm	4,350.90
23	223387	"	Cobalt(II) nitrate hexahydrate	500 gm	9,945.68
24	239267	"	Ammonium oxalate	100g	4,095.83
25	221716	"	Copper(II) acetate	500g	3,818.49
26	WHA1442090	"	Whatman® quantitative filter paper, ashless, Grade 42	1 unit	2419.80

27	TEM-G200MO	"	Glider Grids Standard Molybdenum Square Mesh	1 unit	7,015.20
28	ASG Scientific Equipments	"	Fluorine doped tin oxide (FTO) coated glass slide Resistivity 7 Ω /cm	10 unit (minimum pack)	25, 000
29	131709	Pyrrrole	25ml	1	1,742.72
30	242284	Aniline	250ml	1	7,370.41