Annexure – List of Raw Materials (Agreement)

Company will make agreement with supplier of raw material after getting EC & CTE. Some raw material will import and some will be local.

LIST OF RAW MATERIALS

EXISTING

SR. NO.	Name of Raw Materials	CAPACITY (KGS/Month)
1.	Betamethasone	42
2.	1,3 dibromo propene	1231
3.	1,4 dioxane	621
4.	16 Hydroxy prednisolone	33
5.	19 hydroxy-4-androst-3,17-dione	179
6.	5 tr(Tetraene Acetate)	103
7.	8 dm (16 alphamethyl 17,21 dihydroxy 9,11 epoxy Pregna 1,4 diene 3,20 dione)	24
8.	Acetic Acid	26
9.	Acetic Anhydrate	31
10.	Acetone	894
11.	Acetylene gas	91
12.	Androstenedione	212
13.	Bep (betamethasone-17-propionate)	52
14.	Betamethasone	192
15.	Butyaldehyde	13
16.	Charcoal	64
17.	Chloroform	469
18.	Comium trioxide	61
19.	Cromic Acid	9
20.	db 11(16alphamethyl 17,21 dihydroxy 9,11 epoxy Pregna 1,4 diene 3,20 dione)	29
21.	Dexamethasone	42
22.	Diflorasone	32
23.	Dimethyl foramide	1230
24.	Ethyl acetate	7
25.	Formaldehyde	4681
26.	Furoyl chloride	11
27.	HCl (Hydrochloric Acid)	1826
28.	Hexane	35
29.	hf acid (Hydrofluoric Acid)	351
30.	hyflow	76
31.	Isopropyl alcohol	85
32.	Isopropyl ether	56
33.	K_2CO_3 (Potassium carbonate)	267
34.	Lithium chloride	137
35.	Mdc (Methylene Dichloride)	842
36.	Melamine	2416
37.	Methanol	1436

38.	Mibk (methyl isobutyl ketone)	225
39.	MSC (Methane Sulfonyl chloride)	109
40.	Pet. Ether	81
41.	Potassium carbonate	4406
42.	Potassium hydroxide	1040
43.	Ppc (Pyrophosphoryl Chloride)	109
44.	Prednisolone	59
45.	Propionic anhydride	83
46.	Pthalamide	3846
47.	Ptsc (p-Toluene Sulphonic Acid)	26
48.	Pyridine	324
49.	Sodium borohydrate	22
50.	Sodium hydroxide	271
51.	Sodium metabisulphide	2265
52.	Sulfuric Acid	398
53.	TEA (Tri ethyl Amine)	43
54.	TEOF (Triethyl ortho fromate)	129
55.	Tetrahydrofuran	260
56.	Tmop (Trimethyl Orthopropionate)	56
57.	Triethyl orthopropionate	86
58.	Triethyl orthobutyrate	25

PROPOSED

SR. NO.	Name of Raw Materials	CAPACITY (MT/Month)
Proposed		
GROUP-A		
1. Acebrofylline		
1.	Acefylline	11.85
2.	Toluene	70.50
3.	Ambroxol base	18.90
4.	DMF	30.00
2. Ambroxol Hydrochloride		
1.	Toluene	72.00
2.	2 Amino 3,5 dibromo benzaldehyde	22.20
3.	Trans-4-Amino cyclohexanol	9.00
4.	Methanol	72.00
5.	Sodium Borohydride	3.60
6.	Activated Carbon	1.20
7.	Methanolic HCl	12.90
3. Amlodipine Besylate		
1.	Phthaloyl Amlodipine	32.63
2.	Mono Methyl Amine	50.25
3.	Methanol	131.25
4.	Ethyl Acetate	92.63
5.	Benzene Sulfonic Acid	11.25

6.	Carbon	2.25
4. Bupropion Hydrochloride		
1.	Toluene	75.00
2.	3-Chloro-2'-Bromo Propiophenone	30.00
3.	tert butyl amine	10.50
4.	20% Methanolic HCl	24.30
5.	Iso Propyl Alcohol	60.00
6.	Carbon	0.90
5. Celecoxib		
1.	4 SPH	21.00
2.	Dione Derivative	19.50
3.	Toluene	84.00
4.	Carbon	1.50
6. Doxofylline		
1.	Theofylline	26.10
2.	2-Bromomethyl-1,3-dioxolane	24.30
3.	Sodium Carbonate	8.40
4.	Dimethyl Formamide (DMF)	72.00
5.	Carbon	0.30
7. Drotaverine Hydrochloride		
1.	3,4-Diethoxy phenylacetic acid	16.50
2.	3,4-Diethoxy phenyl ethyl amine	15.00
3.	Toluene	90.00
4.	Sodium Hydroxide	1.50
5.	Phosphorous oxychloride	13.80
6.	IPA	45.00
GROUP-B		
8. Etoricoxib		
1.	Ketosulfone	25.50
2.	DMF	75.00
3.	CDT Salt	27.90
4.	Potassium tert Butoxide	12.90
5.	Toluene	60.00
6.	Acetic Acid	9.00
7.	IPA	45.00
8.	Carbon	0.90
9. Flubiprofen		
1.	2,4-Difluoronitrobenzene	26.40
2.	Diethyl methyl malonate	28.50
3.	Sodium Hydroxide	23.70
4.	Dimethylformamide	29.40
5.	Toluene	161.40
6.	Palladium Catalyst	0.60
7.	Hydrogen	1.50
8.	Methanol	86.40
9.	Benzene	19.80

10.	Copper Powder	4.50
11.	Sodium Nitrite	14.70
12.	Acetic Acid	13.50
13.	Conc HCl	80.40
14.	Carbon	0.30
10. Glibenclamide		
1.	Sulfonamide Derivative	24.30
2.	Ammonia	37.50
3.	Cyclo Hexyl Isocyanate	8.40
4.	Acetone	243.90
5.	Sodium Hydroxide	3.90
6.	Conc HCl	13.20
7.	Carbon	1.50
11. Phenazopyridine Hydrochloride		
1.	Aniline	12.38
2.	Conc HCl	19.50
3.	Sodium Nitrite	9.38
4.	2,6 Diamino Pyridine	13.88
5.	Acetone	75.00
6.	HCl gas	5.10
12. Phenyl Ephrine Hydrochloride		
1.	m Hydroxy Acetophenone	33.90
2.	Ethyl Acetate	49.50
3.	Bromine	42.00
4.	Toluene	169.50
5.	N Methyl benzyl Amine	54.90
6.	IPA.HCl	31.50
7.	Palladium carbon	1.20
8.	Methanol	100.50
9.	Liq Ammonia	60.00
10.	L Tartaric Acid	33.90
11.	IPA	69.90
12.	Acetic Anhydride	33.00
13.	Sulfuric Acid	7.20
14.	Methanolic HCl	30.00
15.	Carbon	0.90
13. Quetiapine Fumarate		
1.	Dibenzo-1,4-thiazepine one	17.40
2.	Thionyl chloride	15.00
3.	Toluene	75.00
4.	Piperazin ethoxy ethanol	13.80
5.	Ethanol	90.00
6.	Fumaric Acid	4.50
7.	Acetic Acid	3.00
14. Telmisartan		
1.	1,7'-Dimethyl-2'-propyl-2,5'-bibenzimidazole	19.50

2.	Methyl 4'-(bromomethyl) biphenyl-2-carboxylate	19.80
3.	Sodium carbonate	9.60
4.	DMF	120.00
5.	Methanol	99.00
6.	Sodium hydroxide	3.60
7.	Conc HCl	11.40
8.	Carbon	0.60
15. Valsartan		
1.	Bromo OTBN	22.50
2.	L Valine	10.50
3.	Methanol	60.00
4.	Thionyl Chloride	12.45
5.	Ethyl Acetate	75.00
6.	Conc HCl	17.25
7.	Acetone	90.00
8.	Valeryl Chloride	10.88
9.	MDC	75.00
10.	Sodium Azide	9.75
11.	Caustic lye	3.75
12.	Carbon	1.50
GROUP-C		
16. Bisoprolol Fumarate		
1.	4-hydroxy benzyl alcohol	3.75
2.	2- Isopropoxy ethanol	3.50
3.	Amberlyst-15	1.25
4.	Sodium Carbonate	3.50
5.	Sodium Hydroxide	1.50
6.	Epichlorohydrin	2.88
7.	Toluene	27.50
8.	Sodium borohydride	0.38
9.	Methanol	31.25
10.	Isopropyl amine	2.75
11.	MDC	21.25
12.	Acetone	40.00
13.	Fumaric Acid	3.25
14.	Carbon	0.30
17. Brimonidine Tartrate		
1.	Chorobenzene	80.00
2.	5-Bromo-6-thiouredo quinoxaline	8.00
3.	Ethylene diamine	5.00
4.	Isopropyl alcohol	20.00
5.	Conc HCl	25.00
6.	Caustic Lye dilute	40.00
7.	Methanol	90.00
8.	L Tartaric Acid	5.50
9.	Carbon	1.00

18. Capacitabine		
1.	5 Fluoro Cytosine	5.00
2.	MDC	75.00
3.	5-Methyltetrahydrofuran-2,3,4-triyl triacetate	10.75
4.	Methanol	90.00
5.	n Pentyl Chloroformate	11.25
6.	Conc HCl	8.00
7.	Caustic lye	5.00
8.	Carbon	0.50
9.	Ethyl acetate	62.50
10.	n Heptane	2.50
19. Cinacalcet Hydrochloride		
1.	Trifluoro methyl Cinnamic acid	7.50
2.	Methanol	30.00
3.	Raney Nickel	1.30
4.	Toluene	15.00
5.	Boric Acid	0.30
6.	Naphthyl ethyl amine	5.80
7.	Sodium Borohydride	1.80
8.	MDC	7.50
9.	Conc HCl	12.50
10.	Carbon	0.80
20. Donepezil Hydrochloride		
1.	2-[(1-Benzyl-4-piperidyl)methyl]-5,6-dimethoxy inden-1-one	10.75
2.	Methanol	55.00
3.	Palladium Carbon	0.55
4.	Hydrogen	2500 M3
5.	Toluene	37.50
6.	IPA	20.00
7.	Carbon	0.25
8.	IPA HCl	9.15
21. Gemcitabin Hydrochloride		
1.	Dibenzoyl Lactum	32.50
2.	Ethyl Acetate	125.00
3.	Sodium bis(2-methoxyethoxy)- aluminumhydride	17.50
4.	Tri ethyl amine	5.00
5.	Methane Sulfonyl Chloride	32.50
6.	Acetyl Cytosine	13.30
7.	Trimethylsilyl chloride	2.30
8.	Toluene	82.50
9.	Liq Ammonia	17.50
10.	Conc HCl	33.80
11.	Acetone	25.00
12.	Carbon	0.50
22. Glimepiride		
1.	Sulfonamide Derivative	10.00

2.	Trans Iso Cyanate	6.00
3.	Acetone	100.00
4.	Potassium Carbonate	7.50
5.	Methanol	40.00
6.	Conc HCl	16.30
7.	Carbon	2.50
23. Ivabradine Hydrochloride		
1.	Potassium Carbonate	2.40
2.	Acetone	20.00
3.	IDDB	9.00
4.	MBC.HCl	6.00
5.	Toluene	30.00
6.	Palladium on Carbon	0.80
7.	IPA	12.00
8.	Conc HCl	15.00
9.	Methanol	60.00
10.	Carbon	1.00
24. Nebivolol Hydrochloride		
1.	6-Fluoro-2-(oxiran-2-yl)-3,4-dihydro-2H-chromene	10.00
2.	Benzyl amine	3.25
3.	TBAB	1.00
4.	Toluene	30.00
5.	IPA	37.50
6.	Palladium on Carbon	0.25
7.	Methanol	40.00
8.	Carbon	0.50
9.	HCl Gas	1.75
25. Pirfenidone		
1.	Di methyl formamide	22.50
2.	Bromo benzene	10.80
3.	Potassium Carbonate	5.50
4.	5-Methyl-1H-pyridin-2-one	1.90
5.	Copper Oxide	7.00
6.	Toluene	16.00
7.	Sodium Hydroxide	3.00
8.	Conc HCl	9.00
26. Sofosbuvir		
1.	Phenyl Phosphorodichloridate	5.25
2.	(S)-Isopropyl 2-Amino propanoate hydrochloride	4.50
3.	Potassium carbonate	4.25
4.	DMF	20.00
5.	TBAB	0.50
6.	Ethyl Acetate	30.00
7.	1-((2R,3R,4R,5R)-3-fluoro-4-hydroxy-5-(hydroxymethyl)-3-ethyltetrahydro-furan-2-yl)pyrimidine-2,4(1H,3H)-dione	6.25
8.	Methanol	25.00

9.	Carbon	0.50
27. Terbinafine Hydrochloride		
1.	Naphthyl methyl chloride	6.25
2.	Methyl amine	4.00
3.	Toluene	30.00
4.	1 Chloro 6,6 Dimethylhept-2-en-4-yne	5.75
5.	Potassium Carbonate	3.50
6.	DMF	37.50
7.	IPA	20.00
8.	HCl gas	2.25
9.	Carbon	0.50
28. Ursodeoxycholic acid		
1.	3-hydroxy-7-ketocholanic acid	10.80
2.	Butanol	22.50
3.	Sodium metal	1.50
4.	Phosphoric acid 85%	9.30
5.	Imidazole	2.30
6.	Methanol	47.50
7.	Sodium Hydroxide	1.50
8.	Conc HCl	10.50
GROUP-D		
29. 2 Amino Phenyl phenyl Sulfide		
1.	Thio Phenol	25.60
2.	2 Nitro Chloro Benzene	34.40
3.	Caustic Flakes	11.20
4.	Raney Nickel	0.80
5.	Methanol	160.00
30. 2-Amino-3,5-dibromobenzaldehyde		
1.	Methyl Anthranilate	24.00
2.	Methanol	216.00
3.	Bromine	25.60
4.	THF	68.00
5.	Sodium Borohydride	4.80
6.	Toluene	96.00
7.	Manganese dioxide	23.20
31. Dibenzo[b,f][1,4]Thiazepin-11(10H)-One		
1.	2 Amino phenyl phenyl sulfide	38.00
2.	Poly Phosphoric Acid PPA	120.00
3.	Ethyl Chloro formate	25.20
32. 4 Methyl Acetophenone		
1.	Acetyl Chloride	26.00
2.	Toluene	48.00
3.	Aluminum Chloride	64.00
4.	Conc HCl	28.00
33. 2-Chloro-1,3-bis(dimentylamino)trimethinium hexafluorophosphate		

1.	Dimethylformamide	14.40
2.	Chloroacetyl chloride	16.00
3.	Phosphorus Oxychloride	22.00
4.	Caustic Flakes	26.40
5.	Hexafluoro phosphoric acid	36.00
34. 2,3-Dibenzoyl-D-Tartaric acid (DBDT)		
1.	Benzoyl Chloride	35.60
2.	D Tartaric Acid	21.20
3.	Toluene	60.00
35. Ethyl Trifluoro Acetate		
1.	Trifluoro Acetic Acid	34.40
2.	Ethanol	20.00
3.	Sodium Carbonate	1.60
4.	Sulfuric Acid	4.80
36. m Phenoxy benzyl alcohol		
1.	m Phenoxy Benzaldehyde	39.92
2.	Nickel Catalyst	0.20
37. p Methoxy Phenyl Acetonirile		
1.	4 Methoxy Benzaldehyde	41.60
2.	Nickel Catalyst	0.80
3.	Hydrogen gas	11200 M^3
4.	Nitrogen	800 M^3
5.	Conc HCl	96.00
6.	Toluene	80.00
7.	Sodium Cyanide	14.40
8.	Sodium Chloride	4.80
38. Phthaloyl Amlodipine		
1.	Ethyl-4-(2-phthalimido) ethoxy acetoacetate	28.00
2.	o Chloro Benzaldehyde	13.20
3.	Acetic Acid	4.00
4.	Methyl 3 Amino Crotonate	11.20
5.	Methanol	120.00
39. Sulfanilamide		
1.	Acetanilide	36.00
2.	Chloro Sulfonic Acid	62.40
3.	Ammonia Solution	116.00
4.	Conc HCl	48.00
5.	Soda Ash	22.40
4. 3-Trifluoromethyl Cinnamic Acid		
1.	3 Trifluoromethyl Aniline	32.00
2.	Conc HCl	53.20
3.	Sodium Nitrite	16.00
4.	Acrylonitrile	11.60
5.	Caustic Flakes	10.00
6.	Conc Sulfuric Acid	14.00

GROUP-E		
41. Glipizide		
1.	Sulfonamide Derivative	8.00
2.	Cyclo Hexyl Iso Cyanate	3.50
3.	Potassium Carbonate	6.00
4.	Acetone	80.00
5.	Methanol	60.00
6.	Carbon	0.25
7.	Conc HCl	16.00
42. Modafinil		
1.	2-[(Diphenyl methyl)sulfanyl] acetamide	12.00
2.	Acetic Acid	16.25
3.	Hydrogen Peroxide	6.75
4.	Methanol	37.50
43. Mycophenolate Mofetil		
1.	Mycophenolic acid	7.63
2.	2 Morpholinoethanol	5.75
3.	PTSA	0.38
4.	Ethanol	37.50
44. Tadalafil		
1.	Carboxylate Intermediate	11.38
2.	Methanol	50.00
3.	Methyl Amine	14.75
45. Tranexamic Acid		
1.	Benzoate derivative	14.50
2.	Sodium Methoxide	4.13
3.	Methanol	45.00
4.	Ruthenium	0.25
5.	Hydrogen gas	7500 M^3
6.	Nitrogen	750 M^3
7.	Potassium hydroxide	5.25
8.	Conc HCl	16.25
9.	Carbon	0.50
46. 5-(1-Carboxyethyl)-2-Phenylthio-Phenylacetic Acid		
1.	2 Phenylthio 5 Propionyl Phenyl Acetic Acid	10.70
2.	Toluene	40.00
3.	TriethylFormate	7.70
4.	Zinc Dust	1.00
5.	Bromine	7.50
6.	Carbon	0.30
47. Zaltoprofen		
1	5(1-Carboxyethyl)-2-Phenylthio-phenylacetic Acid	11.67
2	Poly Phosphoric Acid	30.00
3	EDC	23.33
4	Carbon	0.67