MANUFACTURING PROCESS AND MASS BALANCE

FOLIC ACID

BRIEF MANUFACTURING PROCESS

STAGE –I A: Para Nitro Benzoyl Glutamic Acid

Paranitro benzoic acid (PNBA) is treated with Thionyl chloride ($SOCL_2$) in toluene medium and in presence of small quantities of Dimethyl formamide (DMF) and condensed with Monosodium glutamate (MSG) to form Para nitro benzyol-L-glutamic acid (PNBGA)

STAGE -I B : 4-Amino Benzyol Glutamic Acid (PABGA):

PNBGA solution from Stage IA is further reduced to form Para aminobenzoyl-L-glutamic acid (PABGA) using iron powder.

STAGE II : 1,1,3- Tri Chloro Acetone (TCA):

Acetone is chlorinated under controlled conditions to obtain 1,1,3-Trichloro acetone (TCA).

STAGE III : Folic Acid (Tech) :

Products of stage I, II, and 2,4,5 – Triamino-6-hydroxy pyrimidine sulphate (TAPS) are condensed in aqueous medium to obtain Folic acid (Technical grade) and treated with Hydrochloric acid under stirring and dilter to get partially purified Folic acid.

STAGE IV : Folic Acid (Pharma) :

The Folic acid cake after 1^{st} purification is mixed with water then dissolved in sodium hydroxide solution, filtered and precipitated with Hydrochloric acid (2^{nd} purification) and washed with distilled water. The product formed is dried, pulverized and packed. The product conforms to the specifications of Ph.Eur.

DOMPERIDONE

BRIEF MANUFACTURING PROCESS

Stage-I :

Process: Orthophenylene diamine is condensed with Methyl Aceto acetate in Xylene . Xylene is distilled off and the mass is filtered to get crude Stage I which is further purified by dissolving in Lye solution and reprecipitating with hydrochloric acid.

Stage-II:

Process: The Stage–I compound obtained above is recated with 1-Bromo-3-chloro- propane in Toluene in presence of anhydrous potassium carbonate. After the completion of the reaction add water, the toluene layer is separated and washed with dilute alkali to remove unreacted Stage I compound. The toluene layer is hydrolyzed in dilute hydrochloric acid and the toluene layer is separated and distilled off to get the title compound.

Stage –III-

Domperidone Technical

Process: The stage III compound is taken along with 5- Chloro -2,3- dihydro -1-(Piperidine -4 yl)-1-H- Benzimidazole -2-one (which is purchased from out side) in methyl Isobutyl Ketone in the presence of Soda ash. The contents are refluxed cooled, filtered and washed with water to get the technical domperidone which is further dried.

Purification:

Process: The Technical Domperidone is dissolved in methanol and Acetic acid mixture, carbon treatment is given and filtered. The filtrate is basified with gaseous Ammonia and the precipitate is filtered & washed and dried to get Domperidone pharma.

MATERIAL BALANCE OF FOLIC ACID

Batch Size : 1005.24
No of Batches : 40 Kg
Production Tons/Month: 40

Stage I – PARA AMINO BENZOYL GLYTAMIC ACID (PABGA)

Name of The Raw Material	Input qty. in kg / Batch	Recycle qty. in kg / Batch	Liquid Effluent in kg / batch	Solid Waste in kg / batch	Emissions in kg / batch	Output in kg / batch
INPUT						
PNBA	708.13					
Toluene	2529.64					
Thronyl chloride	531.08					
DMF	30.96					
MSG	805.48					
Cs Lye 48%	376.20					
H_2SO_4	237.59					
Iron	752.41					
Sodium chloride	35.42					
water	31370.12					
OUTPUT						
PABGA(lod 15 %)						1182.59
Toluene		2276.67				
Toluene balance					252.97	
Thronyl chloride		59.10				
Iron sludge (lod 20 %)				1194.40		
Unreacted organics						
PABGA			51.08			
SO_2			253.86			
HCl Generated			144.76			
Waste Water			31231.86			
NaCL			267.77			
Na_2SO_4			344.58			
Impurities						
PABA			36.99			
DMF			30.96			
Glutamic Acid			49.46			
Total	**37377.05**	**2335.77**	**32411.32**	**1194.40**	**252.97**	**1182.59**

Waste water Generated - 32411.32 kg / batch
Iron Sludge - 1194.40 Kg/batch

Stage II – TCA

Name of The Raw Material	Input qty. in kg / Batch	Recycle qty. in kg / Batch	Liquid Effluent in kg / batch	Solid Waste in kg / batch	Emissions in kg / batch	Output in kg / batch
INPUT						
Acetone	1015.36					
Cl_2	3249.28					
Water	23314.57					
OUTPUT						
TCA 25 % w/w						6701.81
HCL gas formation			1516.33			
Cl2 escaped					299.76	
Waste Water			18851.20			
Acetone					210.12	
Total	**27579.21**		**20367**		**2026.21**	**6701.81**

Waste water Generated - 20367 kg / batch

Stage III – TECHNICAL FOLIC ACID

Name of The Raw Material	Input qty. in kg / Batch	Recycle qty. in kg / Batch	Liquid Effluent in kg / batch	Solid Waste in kg / batch	Emissions in kg / batch	Output in kg / batch
INPUT						
PABGA	1182.59					
AQ. TCA	6701.81					
TAPS	1507.89					
SMBS	335.10					
Calcium hydroxide	480.91					
Water	50238.31					
OUTPUT						
Tech. FA						2815.72
So_2					185.78	
Waste water			54779.50			
Unreacted organics						
Sodium bisulphate			348.39			
Calcium chloride			483.37			
Sodium sulphite			64.82			
Unreacted organics /By products						
PABGA			222.17			
TAPS(Base)			302.29			
TCA			1206.63			
PABA			5.12			
Glutamic acid			32.83			
Total	**60446.61**		**57445.12**		**185.78**	**2815.72**

Waste water Generated - 57445.2 kg / batch

Stage IV– FOLIC ACID IST PURIFICATION

Name of The Raw Material	Input qty. in kg / Batch	Recycle qty. in kg / Batch	Liquid Effluent in kg / batch	Solid Waste in kg / batch	Emissions in kg / batch	Output in kg / batch
INPUT						
Folic acid technical	2815.78					
HCl (30 %)	9475.90					
Water	48015.85					
OUTPUT						
Folic acid after 1st purification						3825.60
Waste water			53420.13			
Pteroic acid			56.44			
Folic acid			50.24			
PABGA			37.71			
Other impurities			74.04			
Unreacted in organics						
HCl			2843.37			
Total	**60307.53**		**56481.93**			**3825.60**

Waste water Generated - 56481 kg / batch

Stage V – FOLIC ACID PHARMA

Name of The Raw Material	Input qty. in kg / Batch	Recycle qty. in kg / Batch	Liquid Effluent in kg / batch	Solid Waste in kg / batch	Emissions in kg / batch	Output in kg / batch
INPUT						
Folic acid after 1st purification	3825.60					
Ley 48%	701.45					
Conc. HCl 30%	1038.79					
Water for reaction	45682.23					
DM water for washing	21084.34					
OUTPUT						
Folic acid pharma						1005.24
LOD 50%-Moisture						1005.24
Bye product $CaSO_4$				291.52		
Waste water			48391.18			
Unreacted organics						
Folic acid			16.75			

Name of The Raw Material	Input qty. in kg / Batch	Recycle qty. in kg / Batch	Liquid Effluent in kg / batch	Solid Waste in kg / batch	Emissions in kg / batch	Output in kg / batch
Other impurities			16.75			
Unreacted						
NaCl			492.42			
HCl			28.97			
Washings			21084.34			
Total	**72332.41**		**70030.4**	**291.52**		**2010.48**

Waste water Generated - 70030.4kg / batch

MATERIAL BALANCE OF DOMPERIDONE

Batch Size : 250 Kg
No of Batches : 40
Production Tons/Month: 10T/Month

Stage I

Name of The Raw Material	Input qty. in kg / Batch	Recycle qty. in kg / Batch	Liquid Effluent in kg / batch	Solid Waste in kg / batch	Emissions in kg / batch	Output in kg / batch
INPUT						
OPDA	139.508					
MAA	149.736					
Xylene	598.107					
Caustic Lay	123.868					
Carbon	9.301					
Conc. HCl	184.157					
Water	1395.086					
OUTPUT						
Stage I product						186.011
Methanol		34.18				
Xylene		568.202				
Loss					29.905	
Waste water			1722.535			
Solid waste (Unreacted)						
MAA				25.62		
OPDA				23.96		
Spent Carbon				9.38		
Total	**2599.763**	**602.382**	**1722.535**	**58.93**	**29.905**	**186.011**

Waste Water Generated 1722.535 Kg/ batch

Stage II

Name of The Raw Material	Input qty. in kg / Batch	Recycle qty. in kg / Batch	Liquid Effluent in kg / batch	Solid Waste in kg / batch	Emissions in kg / batch	Output in kg / batch
INPUT						
Stage I	185.922					
BCP	167.41					
Potassium iodide	0.927					
Toluene	598.108					
Potassium carbonate	156.255					
Conc. HCl (30%)	160.143					
Caustic Ley (48%)	10.257					
Water	5226.263					
OUTPUT						
Stage II Product						167.5
Acetone		50.25				
Acetone Balance					8.375	
Toluene recovery		539.35				
Toluene Balance					58.62	
Water + formed unreacted K_2CO_3, HCl, KBr,Potasium Chloride, Potassium Iodide, lye			5584.03			
Solid waste						
Stage Ia. Product				31.825		
BCP				26.8		
Carbon dioxide					38.525	
Total	**6505.28**	**589.6**	**5584.03**	**58.625**	**105.52**	**167.5**

Waste Water Generated - 5584.03 Kg/ batch

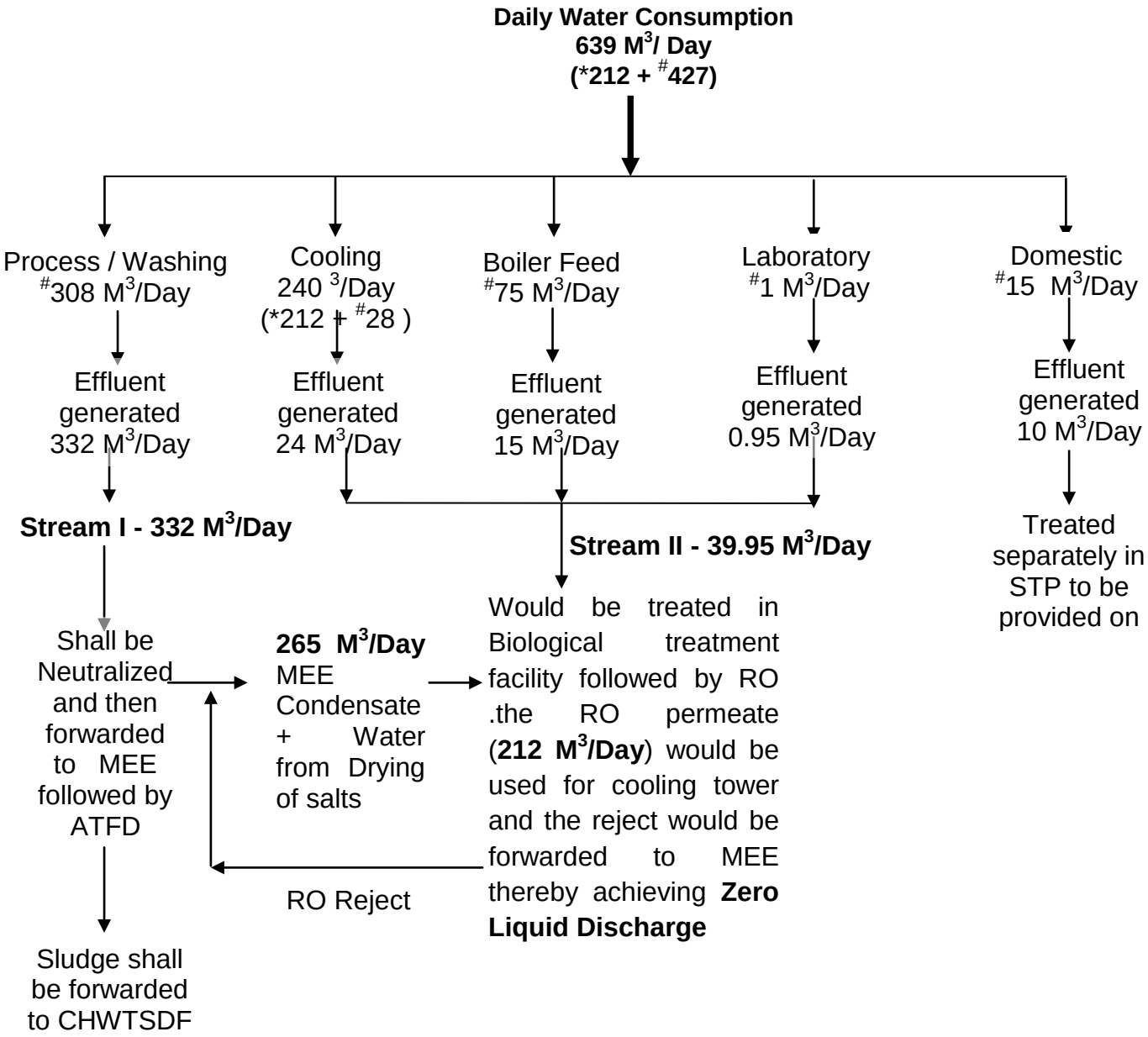
Stage III

Name of The Raw Material	Input qty. in kg / Batch	Recycle qty. in kg / Batch	Liquid Effluent in kg / batch	Solid Waste in kg / batch	Emissions in kg / batch	Output in kg / batch
INPUT						
Stage I	185.185					
Stage II	167.5					
Soda Ash	92.592					
MIBK	893.176					
Methanol	2381.803					
Carbon	9.25					
Acetic acid	87.59					
Ammonia	25.931					
Water	5110.599					
OUTPUT						
Domperidone						250
MIBK recovery		803.858				
MIBK loss					89.317	
Methanol recovery		2262.712				
Methanol Balance					119.09	
Waste water			5405			
Carbon dioxide					13.62	
Spent carbon				10		
Total	**8953.59**	**3066.57**	**5405**	**10**	**222.02**	**250**

Waste Water Generated - 5405 Kg/ batch

WATER BUDGET

Water Budget for
The Bulk Drug Manufacturing Unit
BY
M/s. Sri Krishna Pharmaceuticals Limited (Unit-V),
AT
Plot No. B - 14, MIDC Chincholi,
Tal.: Mohol, Dist.: Solapur.



Note : * -Quantity of Water recycled after R.O treatment
- Quantity of Fresh water form MIDC source

A. Water Consumption and Effluent generation for Folic Acid and Domperidone per batch

1) Folic acid

Water Consumption and Effluent generation for folic acid per batch

Stage	Stage	Water Input	Waste water
I	PABGA	31370.12	32411.32
II	TCA	23314.57	20367.53
III	Folic Acid Tech	50238.31	57445.11
IV	Folic Acid 1st purification	48015.85	56481.93
V	Pharma	66766.57	70030.41
	Total	219705.42	236736.29
		219.70542 KL	**236.7362901 KL**

2) Domperidone

Water Consumption and Effluent generation for Domperidone per batch

Stage	Water Input	Waste water
I	1395.086	1722.53
II	5226.2	5584.03
III	5110.59	5405
	11731.876	12711.56
	11.73 KL	**12.7 KL**

B. Total Water Consumption for Products under Proposed Expansion

Sr. No.	Name of the product	No. of working days	No. Of batches per month	Water Consumption per batch (M^3/Day)	Water Consumption (M^3/Day)
1.	**Folic Acid**	30	40	219.70	**292.9**
2.	**Domperidone**	30	40	11.73	**15.6**
			Total	**231.43**	**308.5 say 308**

C. Total Effluent Generation for Products under Proposed Expansion

Sr. No.	Name of the product	No. of working days	No. Of batches per month	Water Consumption per batch (M^3/Day)	Water Consumption (M^3/Day)
1.	**Folic Acid**	30	40	**236.7**	315.6
2.	**Domperidone**	30	40	**12.7**	16.9
			Total	**249.4**	**332.5 say 332**

MIDC NOTIFICATION

Gat No.	Area H. Ares	Gat No.	Area H. Ares
69	11 84·0	79	3 10·0
71+1B 2 pt.	14 75·0	80 1	5 40·0
72	10 75·0	81	2 3·0
73	11 57·0	82	2 39·0
74	7 15·0	83	2 3·0
75/1	2 95·0	84	2 34·0
75/2	1 75·0	85	4 30·0
75/3	3 53·0	86	4 65·0
76/1	0 81·0	87	3 43·0
76/2	2 18·0	88	14 77·0
77	2 91·0	89	13 13·0
78	3 63·0		

District Solapur, Taluka Uttar Solapur, village Pakni.

Gat No.	Area H. Ares	Gat No.	Area H. Ares
213	26 80·0	206 pt.	5 00·00
214/1	8 74·0	209 pt.	
214/2	12 32·0		

Boundaries—

On the East by—Gat Nos. 14, 15, 19, 20, 25, 56, 62, 64 pt., 65 pt., 66 pt., 67 pt., 68 pt., 70 pt., 90, 92, 94, 95, 98, 104, 105, 106, of village Kondi.

On the West by—Gat Nos. 52, 148 pt., 155, 156, 157, 158, 183, 184, 189, 190, 230 pt., 231 pt., 233 pt., of village Chincholi, and Boundary of Village Sawleshawar.

On the North by—Bounday of Villages Darfal and Akole.

On the South by—Gat Nos. 1 pt. 4 pt., 6, 8, 10 pt., 11 pt., 12 pt., 13 pt., 17, 22 pt., 23 pt., 25 pt., 28 pt., 29 pt., 32, 37, 70 pt., 71 pt. 72 pt., and 73 pt., of Village Chincholi and Pune-Solapur National Highway No. 9.

By order and in the name of the Governor of Maharashtra,

M. D. SARVANKAR,
Desk Officer.

Gat No.	Area H.	Area Ares	Gat No.	Area H.	Area Ares
75	3	84·0	108	1	23·0
76	0	41·0	109	0	39·0
77	0	41·0	110	0	43·0
78	0	51·0	111	1	50·0
79	7	49·0	112	1	44·0
80	9	68·0	113	1	35·0
81	0	25·0	114	2	12·0
82	1	23·0	115	1	42·0
83	1	15·0	116/1	0	45·0
84	1	14·0	116/2	0	45·0
85/1	0	4·0	117	2	17·0
85/2	1	49·0	118	0	37·0
86	5	28·0	119	1	81·0
87	2	11·0	120	4	23·0
88	7	74·0	124/1	3	48·0
89	3	67·0	125	0	24·0
90	4	14·0	126/1	2	99·0
91	2	58·0	126/2	2	0·0
92	4	61·0	127	4	62·0
93	3	51·0	128/1	1	60·0
94	2	69·0	128/2	1	83·0
95	10	88·0	128/3	4	45·0
96/1	13	90·0	129/1	11	50·0
96/2	2	2·0	129/2/1	1	14·0
97/1	4	45·0	129/2/2	1	14·0
97/2	2	7·0	129/2/3	1	14·0
97/3	2	7·0	129/2/4	1	13·0
98	9	48·0	129/2/5	1	14·0
99	3	64·0	129/2/6	1	14·0
100	3	5·0	129/2/7	1	14·0
101	1	89·0	130	8	14·0
102	4	35·0	131	5	94·0
103	4	54·3	132	4	93·0
104	2	9·0	133	5	54·0
105	5	88·0	134	7	51·0
106/1	0	38·0	135	14	40·0
106/2	0	34·0	136	0	24·0
106/3	0	33·0	137	7	45·0
106/4	0	33·0	138	4	50·0
107	0	84·0	139	7	5·0
			140	11	7·0

take effect in the area mentioned in the Schedule annexed hereto and declares the said area as industrial area under clause (*g*) of section 2 of the said Act.

The said area is more clearly defined in red in the maps deposited in the Offices of the Chief Executive Officer, Maharashtra Industrial Development Corporation, Bombay 400 093, and the Special Land Acquisition Officer, Solapur Division, Solapur, District Solapur, and is bounded by the Areas as indicated in the said Schedule.

Schedule

District Solapur, taluka Mohol, village Chincholi.

Gat No.	Area H.	Ares	Gat No.	Area H.	Ares
1 pt.	7	36·0	50	10	33·0
4 pt.	5	92·0	51/1	2	61·0
5	3	2·0	51/2	10	52·0
9	2	97·0	52	7	61·0
10 pt.	6	56·0	53	10	93·0
11 pt.	1	80·0	54/1	3	75·0
12 pt.	1	92·0	54/2	4	94/0
13 pt.	1	92·0	54/3	1	20·0
14	2	40·0	55	8	34·0
15	2	19·0	56	6	80·0
16	2	28·0	57	6	44·0
22	4	60·0	58	13	17·0
23 pt. 1 to 3	3	40·0	59	1	9·0
25 pt.	7	16·0	60	4	11·0
26	1	97·0	61	1	89·0
27	2	29·0	62	3	46·0
28 pt.	0	80·0	63	4	81·9
29 pt.	0	80·0	64	3	63·0
38	14	2·0	65	4	20·0
39/1+	13	37·0	66	12	42·4
40	9	56·0	67	5	28·1
41	15	44·0	68/1	1	66·0
42	3	61·0	68/2	1	66·0
43	4	10·0	69	4	17·0
44	5	77·0	70 pt.	3	59·0
45	12	67·0	71 pt.	3	90·0
46	3	85·0	72 pt.	9	39·0
47	3	85·0	73 pt.	11	0·0
48	5	80·0	74	3	97·0
49	5	19·0			

जिल्हा सोलापूर, तालुका उत्तर सोलापूर, मौज पाकणी.

गट नंबर	क्षेत्र	गट नंबर	क्षेत्र
	हेक्टर आर		हेक्टर आर
२१३	२६ ८०.०	२०६ पैकी	
२१४/१	८ ७४.०		५ ००.०
२१४/२	१२ ३२.०	२०९ पैकी	

चतुःसीमा----

पूर्वेस.—मौजे-कोंडीचे गट नंबर.—१४, १५, १९, २०, २१, ५६, ६२, ६४ पैकी, ६५ पै, ६६ पै., ६७ पै., ६८ पै., ७० पै., ९०, ९३, ९४, ९५, ९८, १०४, १०५, १०६.

पश्चिमेस.—मौजे-चिंचोलीचे गट नंबर.—५२, १४८ पै., १५५, १५६, १५७, १५८, १८३, १८४, १८९, १९०, २३० पै., २३१ पै., २३३ पै., व मौजे-सावळेश्वरची शीव.

उत्तरेस—मौजे-दारफळ व अकोलेची शीव.

दक्षिणेस.—मौजे-चिंचोलीचे गट नंबर.—१ पै., ४ पै., ६, ८, १० पै., ११ पै. १२ पै., १३ पै., १७, २२ पै., २३ पै., २५ पै., २८ पै., २९ पै. ३२, ३७, ७० पै., ७१ पै., ७२ पै., ७३ पै. व पुणे-सोलापूर महामार्ग क्रमांक-९.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने,

मा. द. सरवणकर,
कार्यासन अधिकारी.

INDUSTRIES, ENERGY AND LABOUR DEPARTMENT

Mantralaya, Bombay 400 032, dated the 12th May 1988

MAHARASHTRA INDUSTRIAL DEVELOPMENT ACT, 1961.

229

No. IDC. 2187/(10514)-IND. 14.—In exercise of powers conferred by sub-section (3) of section 1 of the Maharashtra Industrial Development Act, 1961 (Mah. III of 1962) the Government of Maharashtra hereby appoints 27th May 1988 to be the date from which Chapter VI of the said Act shall

INDUSTRIES, ENERGY AND LABOUR DEPARTMENT

Mantralaya, Bombay 400 032, dated 13th May 1988

MAHARASHTRA INDUSTRIAL DEVELOPMENT ACT, 1961.

No. IDC. 2183/(4885)-IND-14.—In exercise of powers conferred by Sub-Section (3) of Section 1 of the Maharashtra Industrial Development Act, 1961. (Mah. III of 1962), the Government of Maharashtra hereby appoints 27th May 1988, to be the date from which Chapter VI of the said Act shall take effect in the area mentioned in the Schedule annexed hereto and declares the said Area as industrial area under clause (g) of section 2 of the said Act.

The said Area is more clearly defined in red in the maps deposited in the offices of the Chief Executive Officer, Maharashtra Industrial Development Corporation, Bombay 400 093, and the Special Land Acquisition Officer, Aurangabad, District Aurangabad, and is bounded by the areas as indicated in the said schedule.

SCHEDULE

District Aurangabad, taluka Aurangabad, village Waladgaon.

Gat No.	Area Ares	Gat No.	Area Ares
68 pt.	02·0	69 pt.	01·0

Boundaries :

On the North by.—Part of Gat Nos. 70, 71, 76, 77, 78.
On the South by.—Part of Gat Nos. 70, 71, 76, 77, 78 and 81.
On the East by.—Boundary of village Nakashtra wadi.
On the West by.—Aurangabad-Ahmednagar Road.

District Aurangabad, taluka Aurangabad, village Patoda.

Gat No.	Area Ares
16 pt.	07·0

Boundaries :

On the North by.—Part of Gat Nos. 18, 19, 20, 21 and 26.
On the South by.—Part of Gat Nos. 18, 19, 20 and 22.
On the East by.—Boundary of village Valadgaon.
On the West by.—Boundary of village Valadgaon.

मूळ प्रत

नवीन कारखाना.

[विशेष—१६ म.

परवाना क्रमांक : № 095992

सत्यमेव जयते

महाराष्ट्र शासन

नमुना क्रमांक ४

(नियम ६ व ८ पाहणे)

कारखान्याची नोंदणी व कारखाना चालविण्यासंबंधीचा परवाना

नोंदणी क्रमांक : 2(m)(i) 21001 D. A. 30/7/2009. श्रीकृष्णा फार्मास्युटिकल्स लि.

कारखाने अधिनियम, १९४८ आणि त्यासंबंधी असलेले नियम यांच्या तरतुदीप्रमाणे ~~श्रीकृष्णा ड्रग्ज लिमिटेड~~, यांना खाली वर्णन केलेल्या जागेत कारखाना चालविण्यास परवाना देण्यात आला आहे.

ह्या परवान्यान्वये या जागेत कोणत्याही एका दिवशी ५० पर्यंत/ — पेक्षा जास्त कामगार लावण्यास आणि ५०० पर्यंत/ — पेक्षा जास्त अश्वशक्ती उपयोगात आणण्यास परवानगी आहे.

ह्या परवान्याची मुदत ३१ डिसेंबर २००९ पर्यंत आहे.

शुल्क रुपये १७५०/- पोहोचले.

शुल्क रुपये १७५०/- (अर्धी फी) येणे.

रक्कम रुपयें — जादा भरलेले.

दिनांक : 3/8/2012.

संचालक,
औद्योगिक सुरक्षा व आरोग्य,
महाराष्ट्र राज्य, मुंबई.

SOl. (28 A / 87)

परवाना दिलेल्या जागेचे वर्णन

परवाना दिलेल्या कारखान्याचे नाव ~~श्रीकृष्णा ड्रग्ज लिमिटेड~~, श्रीकृष्णा फार्मास्युटिकल्स लि.

पत्ता प्लॉट नं. बी-१४, एम.आयडीसी, चिंचोळी, सोलापूर - ४१३ २५५.

कारखान्याच्या इमारतीचे नकाशे दिनांक 8/7/2009 च्या जावक क्रमांक नकाशे/15-09/SMK-SSH/3075/2009 खाली मंजूर केले गेले आहेत.

नूतनीकरण

नूतनीकरणाचा दिनांक	कामगार	अश्वशक्ती	आकारलेले शुल्क	जास्त भरणा झालेली रक्कम	परवान्याची मुदत संपल्याची तारीख ३१ डिसेंबर	परवान्याचे नूतनीकरण करणाऱ्या सहसंचालकाची स्वाक्षरी
	५० पर्यंत / — पेक्षा जास्त	५०० पर्यंत / — पेक्षा जास्त	३६५०/-	—	2010	[signature]
	५० पर्यंत / — पेक्षा जास्त	५०० पर्यंत / — पेक्षा जास्त	३६७५/-	—	2011	[signature]
	५० पर्यंत / — पेक्षा जास्त	५०० पर्यंत / — पेक्षा जास्त	३६७५/-	—	2012	[signature]
	पर्यंत / पेक्षा जास्त	पर्यंत / पेक्षा जास्त				
	पर्यंत / पेक्षा जास्त	पर्यंत / पेक्षा जास्त				
	पर्यंत / पेक्षा जास्त	पर्यंत / पेक्षा जास्त				
	पर्यंत / पेक्षा जास्त	पर्यंत / पेक्षा जास्त				
	पर्यंत / पेक्षा जास्त	पर्यंत / पेक्षा जास्त				
	पर्यंत / पेक्षा जास्त	पर्यंत / पेक्षा जास्त				
	पर्यंत / पेक्षा जास्त	पर्यंत / पेक्षा जास्त				

P.T.O.

दि. 25/8/2010 पासून कारखान्याच्या नावात
बदल होवून नवीन नाव
"श्रीकृष्ण फार्मास्युटिकल्स् लिमिटेड"
असे झालेले आहे.

सह संचालक
औद्योगिक सुरक्षा व आरोग्य
पुणे

I hereby give an undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance give, if any to the project will be revoked at our risk and cost.

Date:

Place: Solapur

Signature of the applicant :

Authorized Signatory

Name : Mr. G. Chandrasekhar

Designation : (DGM-EHS)

Address : M/s. Sri Krishna Pharmaceuticals Limited (Unit-V).
Plot No. B-14, MIDC Chincholi,
Tal.: Mohol, Dist.: Solapur, Maharashtra.

NOTE:

1. The project involving clearance under Coastal Regulation Zone Notification, 1991 shall submit with the application a C.R.Z. map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z. and the recommendations of the State Coastal Zone Management Authority. Simultaneous action shall also be taken to obtain the requisite clearance under the provision of the C.R.Z. Notification, 1991 for the activities to be located in the C.R.Z.

2. The projects to be located within 10 Km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden shoeing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon (at the stage of EC)".

3. All the correspondence with the Ministry of Environment & Forests including submission of application for TOR / Environmental Clearance, subsequent clarification, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project.