Sl No.	Name Of Industries	Page No.
1	General Suggestions	i & ii
2	M/s Shiva Industries	01
3	M/s S.A.Tanning Industries	02
4	M/s Saira Industries	06
5	M/s Shalimar Leather Ltd	10
6	M/s New Light Tanners	14
7	M/s Quayum Leathers	18
8	M/s R.K.Tanners	22
9	M/s Rahmat Sons Leather Finishers	26
10	M/s Upper India Ltd	27
11	M/s Rajiv Leather Embossing	30
12	M/s Gauri Tanners	33
13	M/s Shakoor Tannery	37
14	M/s M.A. Leathers	41
15	M/s R.A. Trade	44
16	M/s Yaqub Tanners	48
17	M/s Saba Leathers	51
18	M/s Oriental Tanning Industries	52
19	M/s Naaz Leather Finishers	53
20	M/s Naz Tanners	55
20	M/s Naz Traders	56
$\frac{21}{22}$	M/s Everest Tannery Pvt	59
23	M/s Waseem Leather	61
23	M/s Mughiz Tanner	64
25	M/s Roshan & Company	67
26	M/s Aman Tanners Unit 2	70
27	M/s Penja Tanning Industries	70
28	M/s Seema Tanning Industries	75
20	M/s Khalid Leather Finishers	79
30	M/s New Era Tanning Centre	80
31	M/s Pahalwan Tannery Unit 1	83
32	M/s Pahalwan Tannery Unit 2	86
33	M/s Pahalwan Tannery Unit 3	90
33	M/s Sofia International	90
35	M/s Tanners Co	94
36	M/s Yusuf Enterprises	100
37	M/s Nagauri Tanning Ind.	100
	M/s Z R Leather Finishers	
38		105
39	List Of Permanently Closed Units (6 Units)	112
40	List Of Non-Traceable Units (4 Units)	113
41	M/s Saf Yeast	114
41	1V1/5 Sal 1 Cast	114

# List of Industries inspected Under NGRBA

(R. Rajkumar) EE/Sc C

# **GENERAL SUGGESTIONS for the tanneries, which are the member units** of CETP:

• Units are having PETP consists of collection cum equilisation tank, settling tank and SDBs. In the collection cum equalization tank no proper mixing arrangement is provided by the units and also the settling tanks are not having proper distribution system, the waste water is pumped on the top of the tank where the settled solid got disturbed and carries out of the tank.

The outlet prescribed parameters are more than the inlet because the inlet samples were collected at the collection tank having the depth of 7 to 12 ft, the solids got settled in the collection tank, the effluent is pumped from the bottom of the tank to settling tank and since the settling tank doesn't have distribution system the solids carry over to the outlet happens.

Units shall have proper mixing system in the collection cum equalization tank, distribution system in the settling tank and also regular removal/cleaning of solid/sludge from the collection tank.

- Units carrying out tanning process from raw to semi-finish/finish leather are carrying out partial segregation only. High TDS stream is not being segregated in any units. Most of the units are having low capacity production, for those units after segregation the treatment of this high TDS stream will be difficult. So some criteria may be fixed depends on the processing capacity of the unit for segregation and treatment of High TDS stream.
- Units carrying out only oiling, milling and dyeing (having drum one or two) doesn't have the authorisation for Hazardous waste generation and their ETP sludge are not being sent to TSDF and its was informed by those units that the sludge is not having the hazardous nature, so the sludge is not taken by the TSDF. But the units are using chemicals in this process, so characteristics study of the sludge may be taken up and accordingly the units may directed to obtain HW authorisation and dispose the waste to TSDF.
- Units carrying out chrome tanning are not having the dedicated channel for collection of chrome bearing waste water. Units shall be directed to have the dedicated channel for the chrome bearing waste water collection.
- Units processing raw hides are not properly carrying out salt removal manually, so the units shall install the mechanical salt removal system before processing.
- All the units are having mechanical flow meter, which can be altered manually, so units shall have magnetic flow meters, with proper recording facility.

- Units are not having/maintaining any records for the raw hide purchase, so the unit shall be directed to maintain the records for raw hide purchase.
- Units are having the flexible pipe line connected from the collection tank to settling tank. Units shall have permanent pipeline system in the PETP.
- Most of the units are not having valid consent under Water & Air Act for many years, the units have applied for renewal of consents to UPPCB. UPPCB shall be directed to issue the consent regularly.
- Presently, the individual units are paying for treatment of the effluent in CETP based on the hides processing capacity. The charges may be applied based on the effluent discharge by implementing the following:
  - 1. The units shall provide surface channel (to avoid bye-pass of untreated effluent) connected to the CETP conveyance system and have online flow meter at the end of the channel. The flow meters of the individual units shall be maintained by CETP.
  - 2. Open-able man hole at the end of the sewer line connected to sewerage system/soak pit shall be made to cross-check/avoid any bye-pass of effluent.

(R. Rajkumar) EE/Sc C

للقترك

# INSPECTION REPORT OF M/S SHIVA INDUSTRIES

C	General Information & Production Details							
1.	Name and address of the industry	M/s Shiva Industries.						
		26 C, site – 1, Panki						
		Kanpur						
2.	Name of the occupier/contact person	Sh. Suren Suleka						
	with Telephone	09792155551						
		Sh. Lakhan Singh						
		08960204401						
3.	Category	Textile						
C	Overall Observations:							
4.	During inspection industry was four	nd non-operational. No concern person is available so						
	information was not collected.							
5.	Inspecting team :							
	Sh. R.Rajkumar, Sci C, ZO-Bangalore							
	Dr. H. V. Jigyasu, RA, ZO-Lucknow							
6.	Date of Inspection :28/10/2013							



# **INSPECTION REPORT OF M/S S.A. TANNING INDUSTRIES**

	<b>General Information &amp; Production Deta</b>	uls	
1.	Name and address of the industry	M/s S.A. Tanning Indust	tries,
		3 B part –II, 150 ft Road	, Jajmau, Kanpur
2.	Name of the occupier/contact person with	Sh. Iftekhar Ahmad	
	a. Telephone	a.9935158786	
	b. Fax	b.	
	c. e-mail	с.	
3.	Date/Year of commissioning	1997	
4.	Type of tanning	Chrome & Vegetable Ta	nning
5.	Detail of tanning & associated processes	s Raw to Finished : soaking-liming-washing-deliming fleshing- vegetable tanning- Summing-splitting-saving-fat liquoring-dyeing- fin leather.	
6.	Installed processing capacity	No. of hides processed /	day-30 hides/day
		Type of hides / skin ( sp	ecify)-Buffalo
		Hide processed (Tonnes	/day )-0.9 tonnes/day
7.	Present production status	No. of hides processed /	day-30 hides/day
		Type of hides / skin ( sp	ecify)-Buffalo
		Hide processed (Tonnes	/day )-0.9 tonnes/day
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	20
		Lime	60
		Sodium bi-sulphate	10
		Sulphuric acid	40
		Common salt	100
		BCS (fresh)	15

		Recovered chrome	200
		(liquid) Synthetic, semi-synthetic, Vegetable, fish oil, myrobalan, GS, Powder	200
		wattle chest nut	
9.	Status of fresh water metering system (Available )	the unit.	alled at intake (bore well) of alled at final outlet of PETP.
10	Source of fresh water	Bore well:1 No.	
	Water Consumption	Consented: 16 KLD	
C	Waste Water – Generation & Treatment		
11	Wastewater generation	Consented: 15 KLD	
		Chrome bearing stream	: 0.5 – 0.6 KL
12.	Description of Effluent Management	1	
	Whether effluent segregation practiced: P	artial Segregation	
	High TDS effluent and other process efflu segregated.	ients are not segregated on	ly Chrome bearing effluent is
13.	Design detail for Primary Treatment P	lant	
	Capacity of Chrome Recovery Plant, CRP	(m <sup>3</sup> ):1 KL	
	Primary Treatment Plant detail:		
	Equalization tank :		
	Length :3.0 m		
	Width :3.0 m		
	Depth :3.0 m		
	Clarifier		
	Length : 3.0 m		
	Width: 3.0 m		

	Depth :1.0 m								
	Cone:1	Cone:1.5 m							
	Sludge Drying Beds: 1.8X3.6X1.5 (2No.)								
14.	Design detail for Secondary Treatment Plant: Discharge To CETP								
15.	Efflue	Effluent characteristics( Primary) :							
	S No	Location of	fsample	рН	TSS (mg/l)		Cr (T) (mg/l)	The unit has not provided distribution	
	01	Collection Equalisatio		8.3	679.3		3.26	system in the settler, while pumping the	
	02	Final efflue primary tre	ent from atment plant	10.4	2621.9		16.98	effluent directly, settling of solids get	
	03	Standard		6.5 - 9.0	Below	600	45	disturbed. So higher value of TSS is in outlet.	
C	Air Po	ollution – En	ission Source	es & Control	!				
16	polluti		Boiler			NA			
	Details	s of D.G Set		Capacity			Acoustic e	nclosure provided	
				20 KVA (n	ot workin	g)	No		
17		onsumption		NA					
18	Manag	gement of haz	zardous wastes	s and other so	olid waste	e gener	ration		
	Type of	of Wastes		Quantity	Quantity generated		Storage	Storage & Disposal	
	Chemi	cal sludge fr	om ETP	30 Kg/da	30 Kg/day			in HDPE bags, stored & d to TSDF	
	Fleshir	ng,		50kg/day			No Stor	age facility available.	
	saving	s &		15 kg/day	7		Dispose	ed to Glue & leather	
	Others	(specify) :					board n	nakers	
	Member of TSDF (Yes) : UPPWMP-Mem No. 0296 (Ramky)								
C	) Status	of validity &	& compliance	of consents d	and autho	orizati	on		
19		Consent/Authorization							
Ι	Under Water Act: Applied								
II		Under Air Act: Applied							
III		ous Waste au					Not avail	able	
		ll Observatio							
20			tal data displa	•			-		
	•		ng 3 drums of		-				
	• Unit has not provided dedicated channel for carrying chrome wastewater to CRP.								

	<ul> <li>Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated.</li> <li>During the inspection the PETP was operated. The unit has not provided distribution system in the settler, while pumping the effluent directly, settling of solids get disturbed, which shows higher value in the outlet and proper neutralisation is also not carried out.</li> <li>Water meter (mechanical flow meter) installed at the intake and final out let of PETP.</li> <li>Unit is not maintaining record/log book for sludge generation, storage &amp; disposal.</li> <li>Unit is not having proper storage area/facility for Fleshing &amp; shavings waste and no proper records maintained for generation, storage and disposal.</li> <li>Unit is not maintaining proper records/log book for water consumption, effluent discharge chemical consumption, raw hides purchase and production details.</li> <li>Unit is having DG set of capacity 20 KVA without acoustic enclosure.</li> <li>Unit is not having for Hazardous Waste Authorization.</li> </ul>
	<ul> <li>Housekeeping is not satisfactory.</li> </ul>
C	Recommendations/Suggestion:
21	<ul> <li>Environmental data display board should be installed on the main gate of the unit.</li> <li>Unit should take necessary steps/modification of PETP and ensure proper neutralisation to achieve the discharge norms.</li> <li>Unit should provide dedicated channel for carrying chrome wastewater to CRP.</li> <li>Unit should segregate High TDS effluent from other process effluents and ensure proper treatment of it.</li> <li>Unit should maintain proper record/log book for sludge generation, storage &amp; disposal.</li> <li>Unit should have proper storage area/facility for Fleshing &amp; shavings waste and proper records to be maintained for generation, storage and disposal.</li> <li>Unit should maintain proper records/log book for water consumption, effluent discharge chemical consumption, raw hides purchase and production details.</li> <li>Unit should install acoustic enclosure for the DG set.</li> <li>Unit should apply/obtain Hazardous Waste Authorization from UPPCB.</li> <li>Housekeeping should be improved.</li> </ul>
22	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
1	Date of Inspection :19/10/2013



# **INSPECTION REPORT OF M/S SAIRA INDUSTRIES**

	General Information & Production Details							
1.	Name and address of the industry	M/s Saira Industries,						
		35 A , 150 ft Raod, Jaj	mau, Kanpur					
2.	Name of the occupier/contact person	Sh. Mohamad Ahsan						
	with	0001000070						
	a. Telephone	a.8081828370						
	b. Fax	b.						
2	c. e-mail	c.akmalsons@vsnl.net						
3.	Date/Year of commissioning	1998						
4.	Type of tanning	Chrome & Vegetable	Fanning					
5.	Detail of tanning & associated processes		ing-liming-washing-deliming-					
		fleshing- tanning-						
			mming-splitting-saving-fat					
		liquoring-dyeing- finis						
6.	Installed processing capacity	No. of hides processed	l / day-30 hides/day					
		Type of hides / skin ( s	specify)-Buffalo					
		Hide processed (Tonne	es /day )-0.9 tonnes/day					
7.	Present production status	No. of hides processed	l / day-30 hides/day					
		Type of hides / skin ( s	specify)-Buffalo					
		Hide processed (Tonne	es /day )-0.9 tonnes/day					
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch					
		Sodium sulphide	10-12					
		Lime	50					
		Sodium bi-sulphate	2-3					
		Common salt	30					
		BCS (fresh)	10-12					
		Sulphuric acid	15-20					
	Synthetic, Total -		Total - 200					
		semi-synthetic,						

		Vegetable, fish oil, myrobalan, GS, Powder
		wattle chest nut
9.	Status of fresh water metering system (Available )	<ul> <li>Water meter installed at intake (borewell) of the unit.</li> <li>Water meter installed at final outlet of PETP.</li> </ul>
10	Source of fresh water	Bore well: 1 No.
	Water Consumption (M <sup>3</sup> /day)	24 KLD
6	Waste Water – Generation & Treatment	ţ
11	Wastewater generation	Chrome bearing stream : 1-1.5 KL
		Non-chrome bearing stream:18 KLD
12.	Description of Effluent Management	
	Whether effluent segregation practiced: F	Partial Segregation
	High TDS effluent and other process effluences effluenc	uents are not segregated only Chrome bearing effluent is
13.	Design detail for Primary Treatment P	lant
	Capacity of Chrome Recovery Plant CRF	$P(m^3)$ : CCRU member
	Primary Treatment Plant detail:	
	Equalization tank :	
	Length :2.1 m Width :1.1 m Depth :3.0 m	
	Clarifier	
	Dia : 2.1 m Depth :2.1 m Cone:1.5	
	Sludge Drying Beds: 1.2 X 1.2 X 1.2 (	2No.)

15.	Effluent characteristics: Industry is not in operation. So sampling is not carried out.					
	Air Pollution – Er					
16	Sources of air	Boiler	rces & Control	NA		
10	pollution	Boller				
	Details of D.G Set		Capacity	Acoustic enclos	ure provided	
	Details of D.O Set		50 KVA (new one. So	yes		
			for not started operating)	yes		
17	Fuel Consumption		Type of fuel	Consumption	Used in	
- /			Diesel	-	-	
18	Management of ha	zardous was	tes and other solid waste gene	ration		
	Type of Wastes		Quantity generated	Storage & Di	sposal	
	Chemical sludge fr	rom ETP	7 Kg/day	No storage fa	cility and disposed	
	Fleshing, shavings		No data available	Ū.	No storage facility. Disposed to glue & board makers.	
			PPWMP-KNP-HZW-CHW-TS		97 (Ramky)	
19	<ul> <li>Status of validity of Consent/Authorization</li> </ul>	& compliand	PPWMP-KNP-HZW-CHW-TS	ion	97 (Ramky)	
19 I	<ul> <li>Status of validity of Consent/Authorizat</li> <li>Under Water Act:</li> </ul>	& compliand		ion Applied	97 (Ramky)	
19 I II	<ul> <li>Status of validity of Consent/Authorizat</li> <li>Under Water Act:</li> <li>Under Air Act:</li> </ul>	& compliant	ce of consents and authorizati	ion Applied Applied	97 (Ramky)	
19 I II III	<ul> <li>Status of validity of Consent/Authorizat</li> <li>Under Water Act:</li> <li>Under Air Act:</li> <li>Hazardous Waste a</li> </ul>	& compliant tion uthorization	ce of consents and authorizati	ion Applied	97 (Ramky)	
19 I II III	<ul> <li>Status of validity of Consent/Authorization</li> <li>Under Water Act:</li> <li>Under Air Act:</li> <li>Hazardous Waste a</li> <li>Overall Observation</li> </ul>	& compliant tion uthorization ons:	ce of consents and authorizati	Applied Applied Applied Applied	97 (Ramky)	
19 I II III	<ul> <li>Status of validity of Consent/Authorization</li> <li>Under Water Act:</li> <li>Under Air Act:</li> <li>Hazardous Waste a</li> <li>Overall Observation</li> <li>Unit is havi</li> </ul>	& compliand tion uthorization ons: ng 3 drums o	ce of consents and authorization	Applied Applied Applied Applied of size 10 x 8 ft.		
19 I II III	<ul> <li>Status of validity of Consent/Authorization</li> <li>Under Water Act:</li> <li>Under Air Act:</li> <li>Hazardous Waste a</li> <li>Overall Observation</li> <li>Unit is havion</li> <li>Unit has not bearing efflicities</li> </ul>	& compliance tion uthorization ons: ng 3 drums of t provided de segregating uent is being	ce of consents and authorization : of sizes 8 x 8 ft and 1 paddles edicated channel for carrying of g High TDS effluent and ot g segregated.	ion Applied Applied Applied of size 10 x 8 ft. chrome wastewate her process efflu	er to storage tank. ents, only Chrome	
19 I II III	<ul> <li>Status of validity of Consent/Authorization</li> <li>Under Water Act:</li> <li>Under Air Act:</li> <li>Hazardous Waste a</li> <li>Overall Observation</li> <li>Unit is havi</li> <li>Unit has not bearing efflition</li> <li>Unit is not waste and n</li> </ul>	& compliance tion uthorization ons: ng 3 drums of t provided de segregating uent is being having prop o record is b	ce of consents and authorization ce of consents and authorization conserved by the second sec	ion Applied Applied Applied of size 10 x 8 ft. chrome wastewate her process efflu PETP sludge, Flea n, storage and disp	er to storage tank. ents, only Chrome shing and shavings posal	
19 I II III	<ul> <li>Status of validity of Consent/Authorization</li> <li>Under Water Act:</li> <li>Under Air Act:</li> <li>Hazardous Waste a</li> <li>Overall Observation</li> <li>Unit is havi</li> <li>Unit is not bearing effinite</li> <li>Unit is not waste and not be bear in the second second</li></ul>	& compliance tion uthorization ons: ng 3 drums of t provided de segregating uent is being having prop o record is b or the chemi ined. Water	ce of consents and authorization ce of consents and authorization consistence of sizes 8 x 8 ft and 1 paddles edicated channel for carrying of g High TDS effluent and ot g segregated. per storage area/facility for H	ion Applied Applied Applied of size 10 x 8 ft. chrome wastewate her process efflu PETP sludge, Flea n, storage and disp er consumption &	er to storage tank. ents, only Chrome shing and shavings posal & effluent discharge	
19 I II III	<ul> <li>Status of validity of Consent/Authorizate</li> <li>Under Water Act:</li> <li>Under Air Act:</li> <li>Hazardous Waste a</li> <li>Overall Observation</li> <li>Unit is havi</li> <li>Unit is havi</li> <li>Unit is not bearing efficient</li> <li>Unit is not waste and n</li> <li>Log book for was maintain let of PETP</li> <li>Unit is not</li> </ul>	& compliance tion uthorization ons: ng 3 drums of t provided de segregating uent is being having prop o record is b or the chemi ined. Water	ce of consents and authorization : of sizes 8 x 8 ft and 1 paddles edicated channel for carrying of g High TDS effluent and ot g segregated. per storage area/facility for H being maintained for generation ical consumption in ETP, wat meter (mechanical flow meter g proper records/log book for	ion Applied Applied Applied of size 10 x 8 ft. chrome wastewate her process efflu PETP sludge, Flea n, storage and disp er consumption & r) installed at the	er to storage tank. ents, only Chrome shing and shavings posal & effluent discharge intake and final out	
19 I II III	<ul> <li>Status of validity of Consent/Authorization</li> <li>Under Water Act:</li> <li>Under Air Act:</li> <li>Hazardous Waste a</li> <li>Overall Observation</li> <li>Unit is havi</li> <li>Unit is havi</li> <li>Unit is not bearing efficient</li> <li>Unit is not waste and n</li> <li>Log book for was maintain let of PETP</li> <li>Unit is not purchase an</li> <li>Unit has appendix the second s</li></ul>	& compliance tion uthorization ons: ng 3 drums of t provided de segregating uent is being having prop o record is b or the chemi ined. Water maintaining d productior	<i>ce of consents and authorizati</i> <i>ce of consents and authorizati</i> <i>ce of consents and authorizati</i> <i>ce of sizes 8 x 8 ft and 1 paddles</i> <i>edicated channel for carrying of</i> <i>g High TDS effluent and ot</i> <i>g segregated.</i> <i>per storage area/facility for I</i> <i>being maintained for generation</i> <i>ical consumption in ETP, wat</i> <i>meter (mechanical flow meter</i> <i>g proper records/log book for</i> <i>n details.</i> <i>enewal of consent under Air</i>	ion         Applied         Applied         Applied         of size 10 x 8 ft.         chrome wastewate         her process efflu         PETP sludge, Fleat         n, storage and displayer consumption &         r) installed at the         or chemical consumption	er to storage tank. ents, only Chrome shing and shavings posal & effluent discharge intake and final out umption, raw hides	

C	Recommendations/Suggestion:
21	<ul> <li>Unit should remove the soak effluent carrying channel connecting the chrome effluent channel and ensure proper segregation of chrome bearing waste water alone to CRP</li> <li>Unit should segregate high TDS effluent from other stream and ensure proper treatment of it.</li> <li>Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details.</li> <li>Unit should have proper storage area/facility for PETP sludge, Fleshing and shavings waste and proper records need to be maintained for generation, storage and disposal.</li> <li>Unit should obtain valid consent under Air Act, 1981 &amp; Water Act, 1974 and authorization for Hazardous Waste from UPPCB.</li> <li>Housekeeping should be improved.</li> </ul>
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23	Date of Inspection :19/10/2013



### **INSPECTION REPORT OF M/S SHALIMAR LEATHER INDUSTRIES**

	General Information & Production Details						
1.	Name and address of the industry	M/s Shalimar Leather Industries,					
		150 Ft Road Jajmau, K	Canpur				
2.	Name of the occupier/contact person	Sh. Mohamad Hasan					
	with						
	a. Telephone	a.9235557336					
	b. Fax	b.2463024					
2	c. e-mail	c.shalimar@sanchimni	lt.1n				
3.	Date/Year of commissioning	1980					
4.	Type of tanning	Vegetable Tanning					
5.	Detail of tanning & associated processes	Raw to Wetblue : soak	ing-liming-washing-deliming-				
		fleshing- tanning-					
			mming-splitting-saving-fat				
		liquoring-finish leather	r.				
6.	Installed processing capacity	No. of hides processed	/ day- 75 hides/day				
		Type of hides / skin ( specify)- Buffalo					
		Hide processed (Tonne	es /day )- 2.25 tonnes/day				
7.	Present production status	No. of hides processed	/ day-75 hides/day (while				
		processing made in to	two pieces)				
		Type of hides / skin ( s	specify)-Buffalo				
		Hide processed (Tonne	es /day )-2.25 tonnes/day				
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch				
		Sodium sulphide	36				
		Lime	120				
		Sodium bi-sulphate	3				
		Sulphuric acid	3.6				
		Synthetic,					
		semi-synthetic,					
		Vegetable, fish oil,					
		myrobalan, GS,	250 kg				

		Powder						
0		wattle chest nut						
9.	Status of fresh water metering system	• Water meter installed at intake (borewell) of						
	(Available)	the unit.						
		• Water meter installed at final outlet of PETP.						
10	Source of fresh water	Bore well : 2 No.						
	Water Consumption40 KLD(as per consent)							
	$(M^{3}/day)$	Present 55 - 60 KLD						
6	<b>3</b> Waste Water – Generation & Treatmen							
11	Wastewater generation	Consented: 30.2 KLD						
	Present 45 - 50 KLD							
12.	Description of Effluent Management							
	Whether effluent segregation practiced: No							
13.	Design detail for Primary Treatment Plant							
	Capacity of Chrome Recovery Plant, CRP (m <sup>3</sup> ) : NA							
	Primary Treatment Plant detail:							
	Equalization tank :							
	Length :2.0 m							
	Width :1.2 m							
	Depth :3.0 m							
	Clarifier							
	Dia : 1.8 m							
	Depth :0.9 m							
	Cone:1.2m							
	Sludge Drying Beds: 1.2 X 0.9 X 1.2 (2No.)							
14.	Design detail for Secondary Treatmen	t Plant: Discharge To CETP						
15.	Effluent characteristics( Primary) :							

	S No	Location of sample	pН	TSS	C	r (T)			
				(mg/l)	(r	ng/l)			
	01	Collection cum	-	-	0.	.49			
		Equalisation tank							
	02	Final effluent from	8.9	675.6	2.	.50			
		primary treatment plan	t						
	03	Standard	6.5 - 9.0	Below 60	00 4	5			
C	Air Po	Dilution – Emission Sou	rces & Contro	ol 🛛					
16	Source	es of air pollution	Boiler			Ν	JA		
	Details	s of D.G Set	Capacity		1	Acousti	c enclosu	re provided	
			125 KVA		1	No			
17	Fuel C	Consumption	Type of fu	ıel	(	Consum	nption	Used in	
			Diesel		8	8-10 LP	Ч	DG set	
18	Manag	gement of hazardous was	stes and other	solid waste	genera	tion		•	
	Type of	of Wastes	Quantity	generated		Stora	Storage & Disposal		
	Chemi	cal sludge from ETP	300 Kg/	300 Kg/day		No s	lo storage facility. Disposed to		
						TSD	F		
		ng, shavings		45 kg/day			No storage facility		
	Memb	er of TSDF : UPPWMP	- Mem No. 03	90 (Ramky	)				
C	Status	of validity & compliand	ce of consents	and autho	rization	ı			
19	Conser	nt/Authorization							
Ι	Under	Water Act:					ed		
II	Under	Air Act:					ed		
III	Hazard	ous Waste authorization	:	Not available					
C	) Overa	ll Observations:							
20	•	Unit is having 7 drums	of sizes 8 x 8	ft.					
	•	Buffalo hide is made in	to two pieces	for process	sing. So	the wa	ater consu	mption & effluent	
		discharge is higher than	the consented	1.					
	•	Unit is not segregating I	High TDS eff	uent and ot	her pro	cess eff	luents.		
	•	Unit is not having pro-	per storage a	rea/facility	for PE	TP slu	dge, Flesł	ning and shavings	
		waste and no record is b	eing maintair	ed for gene	ration,	storage	and dispo	osal	
	•	Water meter (mechanica	al flow meter)	installed at	the int	ake and	l final out	let of PETP.	
	•	Unit is not maintainin	ng proper rec	ords/log b	ook fo	r water	r consum	ption, wastewater	
		discharge, chemical con	sumption, rav	v hides purc	chase ar	nd prod	uction det	ails.	
	•	Unit is having a DG set	of capacity 12	25 KVA wi	thout ac	coustic	enclosure		
	•	Unit has applied for rene	ewal of conse	nt under Ai	r Act, 1	981 &	Water Ac	t, 1974.	
	•	Unit has not obtained/ap	oplied for Haz	ardous Was	ste Auth	norizati	on.		
	•	Housekeeping is not sat	isfactory.						

C	Recommendations/Suggestion:
21	• Unit should get the consent for actual water consumption & wastewater discharge from UPPCB.
	• Unit should take necessary steps/modification of PETP to achieve the discharge norms.
	• Unit should segregate high TDS effluent from other stream and ensure proper treatment of it.
	• Unit should have proper storage area/facility for PETP sludge, Fleshing and shavings waste and proper record is to be maintained for generation, storage and disposal
	• Unit should maintaining proper records/log book for water consumption, wastewater discharge, chemical consumption, raw hides purchase and production details.
	• Unit should install acoustic enclosure for the DG set.
	• Unit should get valid of consent under Air Act, 1981 & Water Act, 1974.
	• Unit should obtained/apply for Hazardous Waste Authorization.
	• Housekeeping should be improved.
22	Inspecting team :
	Sh. R.Rajkumar, Sci C, ZO-Bangalore
	Dr. H. V. Jigyasu, RA, ZO-Lucknow
23	Date of Inspection :19/10/2013



# **INSPECTION REPORT OF M/S NEW LIGHT TANNERS**

C	General Information & Production Deta				
1.	Name and address of the industry	M/s New Light Tanner	rs,		
		59A, 150 ft Road, Jajn	nau, Kanpur		
2.	Name of the occupier/contact person	Sh. Faran Ajnual			
	with				
	a. Telephone	a.9839900763			
	b. Fax	b.0515-2823531			
	c. e-mail	c.info@calicoindia.com	n		
3.	Date/Year of commissioning	1996			
4.	Type of tanning	Chrome Tanning			
5.	Detail of tanning & associated processes		ing-liming-washing-deliming-		
		fleshing- tanning-			
		Wet blue on-wards: summing-splitting-saving-fat			
		liquoring-dyeing-buffing-pressing-finish leather.			
6.	Installed processing capacity	No. of hides processed / day- 120 hides/day			
		Type of hides / skin ( specify)-Buffalo			
		Hide processed (Tonne	es /day )-3.6 tonnes/day		
7.	Present production status	No. of hides processed	/ day- 110 hides/day		
		Type of hides / skin ( s	(specify)-Buffalo		
		Hide processed (Tonne	es /day )-3.3 tonnes/day		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch		
		Sodium sulphide	35		
		Lime	100		
		Sodium bi-sulphate	35		
		Common salt	100		
		BCS (fresh)	100		
		Recovered chrome	250		
		(solid)			
		Synthetic,			
		semi-synthetic,	50		

		Vegetable, fish oil, myrobalan, GS, Powder wattle chest nut	100 50		
9.	Status of fresh water metering system (Available )	<ul> <li>Water meter installed at intake (borewell) of the unit.</li> <li>Water meter installed at final outlet of PETP.</li> </ul>			
10	Source of fresh water Water Consumption	Bore well: 1 No. 80 - 82 KLD			
6	Waste Water – Generation & Treatment	 t			
11	Wastewater generation	Consented 84 KLD Chrome bearing stream Non-chrome bearing str			
	Whether effluent segregation practiced: F High TDS effluent and other process effluences segregated.		nly Chrome bearing effluent is		
13.	Design detail for Primary Treatment P         Capacity of Chrome Recovery Plant,CRF         Primary Treatment Plant detail:         Collection Cum Equalization tank :         Length :5.1 m         Width :4.05 m         Depth :2.7 m         Clarifier         Dia : 3.0 m         Depth :3.0 m         Cone:1.0m         Sludge collection tank: 3X 2.4 X 1.0m (         Filter Press : 760 X 760 mm (20 Plates)	P (m <sup>3</sup> ) : 5 KLD			

14.	Design	ı detail for Seconda	ry Trea	atment Plar	nt: Discharge	Го С	CETP			
15.	Effluent characteristics( Primary) :									
	S No Location of sample			pH TSS (mg/l)			r (T) ng/l)			
	01	Equalisation tank		8.7	687.1	15	5.95			
	02 Final effluent from primary treatment plant			8.3	653.9	8.	14			
	03	Standard		6.5 – 9.0	Below 600	45	5			
C	Air Pa	ollution – Emission S	Sources	& Control						
16	Source	es of air pollution	Boiler	r(Thermic f	luid Heater)					
	Chimn	ey Details	30 mt	height						
	APC E	Equipment Provided	Cyclo	one dust coll	ector					
	Details of D.G Set			Capacity		A	Acoustic enclosure		e provided	
				600 KVA		yes				
17	Fuel C	onsumption	'	Type of fue	1	C	Consumption		Used in	
				Diesel		50	50 LPH		DG set	
				Coal		50	500 Kg/day Boiler			
18	Manag	Management of hazardous wastes and other solid waste gener					on			
	Туре с	of Wastes		Quantity generated			Storage & I	Disp	osal	
	Chemi	cal sludge from ETP		140 Kg/day			No storage facility and disposed to TSDF			
	Fleshi	ng		100 kg/day			No storage facility and disposed			
	shavin	gs &		50 kg/day			to glue & leather board makers			
	Memb	er of TSDF : UPPW	MP- M	em No. 030	2 (Ramky)					
C		of validity & compli	iance oj	f consents a	nd authorizat	ion				
19		t/Authorization								
Ι		Water Act:				31.12.2013				
II		Air Act:				31.12.2013				
III	Hazard	ous Waste authorizat	ion:			1	Applied			
	) Overa	ll Observations:								
20	•	Unit is having 10 dr liming of sizes 9 x 9					-	9 x	9 ft, 2 drums for	
	•	Unit has not provide	d dedic	ated channe	l for carrying	chro	me wastewat	ter t	to CRP.	
	•	Unit is not segrega	ting H	igh TDS et	ffluent and ot	her	process effl	uen	ts, only Chrome	
		bearing effluent is be	eing seg	gregated.						
	•	Higher value of TS settling system.	S in o	outlet of PE	TP shows im	proj	per operation	1&	maintenance of	

21	<ul> <li>Unit is not having proper storage area/facility for PETP sludge, Fleshing and shavings waste and no proper records maintained for generation, storage and disposal</li> <li>Log book for the chemical consumption in ETP, water consumption &amp; effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP.</li> <li>Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details.</li> <li>Unit have valid consent from SPCB for Air Act, 1981 and Water Act, 1974.</li> <li>Unit has applied for Hazardous Waste Authorization.</li> <li>Housekeeping is not satisfactory.</li> </ul>
	<ul> <li>it.</li> <li>Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details.</li> <li>Unit should have proper storage area/facility for PETP sludge, Fleshing &amp; shavings waste and maintain proper records for generation, storage and disposal.</li> <li>Unit should obtain authorization for Hazardous Waste from UPPCB.</li> </ul>
	• Housekeeping should be improved.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :19/10/2013



# **INSPECTION REPORT OF M/S QUAYUM LEATHERS**

1.	General Information & Production Deta					
	Name and address of the industry	M/s Quayum Leathers				
		16 c 2, 150 ft Road, Jajmau	, Kanpur			
2.	Name of the occupier/contact person	Sh. Akhtar Quayum				
	with					
	a. Telephone	a.9839085693				
	b. Fax	b.				
	c. e-mail	c. alliedexims@satyam.net	in			
3.	Date/Year of commissioning	1996				
4.	Type of tanning	Chrome Tanning				
5.	Detail of tanning & associated processes	Raw to finish				
6.	Installed processing capacity	No. of hides processed / da	y - 60 hides/day			
		Type of hides / skin ( specify)- Buffalo				
		Hide processed (Tonnes /day )-1.8 tonnes/day				
7.	Present production status	No. of hides processed / day-60 hides/day				
		Type of hides / skin ( specify)-Buffalo				
		Hide processed (Tonnes /da	ay )-1.8 tonnes/day			
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch			
8		Sodium sulphide	24			
		1				
		Lime	60			
		-	60 -			
		Lime				
		Lime Sodium bi-sulphate	-			
		Lime Sodium bi-sulphate Sulphuric acid	- 18			
		Lime Sodium bi-sulphate Sulphuric acid Common salt	- 18 60			
		Lime Sodium bi-sulphate Sulphuric acid Common salt BCS (fresh)	- 18 60 40			
		Lime Sodium bi-sulphate Sulphuric acid Common salt BCS (fresh) Recovered chrome	- 18 60 40			
		Lime Sodium bi-sulphate Sulphuric acid Common salt BCS (fresh) Recovered chrome (liquid)	- 18 60 40 5			
		Lime Sodium bi-sulphate Sulphuric acid Common salt BCS (fresh) Recovered chrome (liquid) Recovered chrome (solid)	- 18 60 40 5 -			
		Lime Sodium bi-sulphate Sulphuric acid Common salt BCS (fresh) Recovered chrome (liquid) Recovered chrome (solid) Synthetic,	- 18 60 40 5 -			

		wattle chest nut	5 5
		Any other-	-
9.	Status of fresh water metering system (Available )	• Water meter install the unit.	ed at intake (bore well) of ed at final outlet of PETP.
10	Source of fresh water	Bore well :1 No.	
	Water Consumption (M <sup>3</sup> /day)	60 KLD	
Č	Waste Water – Generation & Treatment	t	
11	Wastewater generation $(M^3/day)$	Chrome bearing stream & stream:40 KLD	Non-chrome bearing
12.	<b>Description of Effluent Management</b>		
	Whether effluent segregation practiced: High TDS effluent and other process effluent segregated.		Chrome bearing effluent is
13.	Design detail for Primary Treatment P	lant	
	Capacity of Chrome Recovery Plant, CRF	$P(m^3): 4 \text{ KL}$	
	Primary Treatment Plant detail:		
	Equalization tank:		
	Length : 12.5 ft Width : 9.1 ft Depth : 5.4 ft		
	<u>Clarifier</u> Length: 9.6 ft width : 7.2 ft Depth : 4.3 ft		
	Cone : 6 ft		
	Sludge Drying Beds (area in sq m) : 2.9	m x 2.9 m	
14.	Design detail for Secondary Treatment	t <b>Plant:</b> Discharged To CET	р

15.	5. Effluent characteristics( Primary) :									
	S No	Location of	f sample	pН	TSS	Cr (	(T)	The unit has not provided		
					=		g/l)		on system in the	
	01	Equalisatio	n tank	8.54	189	8.10	6	settler, while pumping the effluent directly, settling		
	02	Final efflue	ent from	8.98	637	16.9	90	of solids get disturbed. So		
		primary tre	atment plant						lue of TSS is in	
	03	Standard		6.5 – 9.0	Below 600	45		outlet.		
6	Air Pa	ollution – En	nission Sourc	es & Contro	ol					
16	6 Sources of air Boiler pollution						Generato	or		
	Chimn Details	ey	1 no. Baby b 50,000 cal	oiler		125	KVA	& 50 KVA		
	APC E Provid	Equipments ed	Stack height	20 mt		Wit	hout A	coustic end	closure	
17	Fuel C	onsumption		Type of fu	ıel	C	Consumption Used in		Used in	
		1							Baby boiler	
				Diesel		20	20 lph DG set			
18	Management of hazardous wastes and other solid waste gener					enerati	on		•	
	Type of Wastes			Quantity	Quantity generated			Storage & Disposal		
	Chemi	cal sludge fr	om ETP	50 Kg/day			Stored in room & disposed to TSDF			
	Fleshi	0								
	shavir	igs waste		Not Ava	to			No storage facility and disposed o animal feed food & leather poard makers.		
	Memb	er of TSDF	: Ramky & M	embership	No. 227					
¢	Status	of validity d	& compliance	of consents	s and authoriz	ation				
19	Consen	t/Authorizat	ion	-						
Ι	Under '	Water Act:				31.12.2013				
II	Under .	Air Act:			No			Not available		
III	Hazard	ous Waste a	uthorization:			Applied for authorization				
۲ د	Overa	ll Observatio	ons:							
20	•		-		nos presently of size 8 x 8		ing of	size 7 x 8	3 ft & 8 nos not	
	•	Unit is not h	aving proper/	dedicated cl	hannel for carr	rying	chrome	e wastewate	er to CRP.	
	•	Unit is not	segregating	High TDS	effluent and	other	proce	ess effluent	s, only Chrome	
		bearing efflu	ent is being s	egregated.						
	•	-	-		-			-	ided distribution	
		system in th	le pumping	pumping the effluent directly, settling of solids get disturbed,						

	which shows higher value in the outlet.
	• Unit is not having proper storage area/facility for Fleshing and shavings waste.
	• Log book for the chemical consumption in ETP, water consumption & effluent discharge
	was maintained. Water meter (mechanical flow meter) installed at the intake and final out
	let of PETP.
	• Unit is not maintaining proper records/log book for chemical consumption, raw hides
	purchase and production details.
	• Raw hides were found kept/stored in the open area and water logging was observed around
	this area.
	• Unit have valid consent under Water Act, 1974 and not having consent under Air Act,
	1981.
	• Unit has applied for authorization for Hazardous Waste.
	• Unit is having DG set of capacities 125 KVA & 50 KVA without acoustic enclosure.
	• Housekeeping is not satisfactory.
6	Recommendations/Suggestion:
21	• Unit should have proper dedicated channel for carrying chrome bearing waste water to
	CRP.
	• Unit should take necessary steps/modification of PETP and ensure proper neutralisation to
	achieve the discharge norms.
	• Unit should segregate high TDS effluent from other stream and ensure proper treatment of
	it.
	• Raw hides should be stored properly and proper steps to be taken to avoid water logging
	around this area.
	<ul> <li>Unit should remove/dismantle all non-working drums.</li> </ul>
	• Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details.
	• Unit should maintain proper records/log book for hazardous waste generation, storage and
	disposal.
	• Unit should have proper storage area/facility for Fleshing and shavings waste and proper
	records need to be maintained for disposal.
	• Unit should apply to get consent under Air Act, 1981 from UPPCB.
	• Unit should have valid authorization for Hazardous Waste.
	• Unit should have acoustic enclosure for the DG sets.
	Housekeeping should be improved.
22	Inspecting team :
	Sh. R.Rajkumar, Sci C, ZO-Bangalore
	Dr. H. V. Jigyasu, RA, ZO-Lucknow
	D1.11. 1.015 yasa, 101, DO Dackilow
23	Date of Inspection :21/10/2013



### **INSPECTION REPORT OF M/S R.K. TANNERS**

	<b>3</b> General Information & Production Deta	uls			
1.	Name and address of the industry	M/s R.K. Tanners			
		508, 150 ft Road, Jajmau, Kanpur			
2.	Name of the occupier/contact person	Sh. Fardeen Husain			
	with	000000000			
	a. Telephone	a.9839686868			
	b. Fax	b.			
2	c. e-mail	c.info@rktanners.com			
3.	Date/Year of commissioning	1995			
4.	Type of tanning	Chrome & Vegetable	Tanning both		
5.	Detail of tanning & associated processes	Raw to finish leather.			
6.	Installed processing capacity	No. of hides processed	d / day-60 hides/day		
		Type of hides / skin ( specify)-Buffalo			
		Hide processed (Tonn	es /day )-1.8 tonnes/day		
7.	Present production status	No. of hides processed / day-60 hides/day			
		Type of hides / skin (	specify)-Buffalo		
		Hide processed (Tonn	es /day )-1.8 tonnes/day		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch		
		Sodium sulphide	12		
		Lime	100		
		Sodium bi-sulphate	2		
		Common salt	20		
		BCS (fresh)	46		
		Recovered chrome	10		
		(solid)			
		Recovered chrome	100 lt		
		(liquid)			
		Synthetic,	10		
		semi-synthetic,			
l		Vegetable, fish oil,	10		

		myrobalan, GS,	05		
		Powder			
		wattle chest nut	20		
		dye	1		
0	Status of fusch matering anotari	-			
9.	Status of fresh water metering system		stalled at intake (borewell) of		
	(Available )	the unit.			
		• Water meter in	stalled at final outlet of PETP.		
10	Source of fresh water				
10	Source of fresh water	Bore well :1 No.			
	Water Consumption	10 KI D(as par conson	t)		
	Water Consumption Waste Water – Generation & Treatment	40 KLD(as per consen	()		
11	Wastewater generation $(\mathbf{M}^3)$	Chrome bearing stream	n : 1.2 KLD		
	$(M^{3}/day)$	Non chrome hearing a	tracers 25 KID (concented)		
		Non-chrome bearing s	tream: 35 KLD (consented)		
12.	Description of Effluent Management				
12.	Description of Efficient Management				
	Whether effluent segregation practiced:	Partially segregated			
	whether efficient segregation practiced.	r artiarry segregated			
	High TDS effluent and other process effluent	uents are not segregated	only Chrome bearing effluent is		
	segregated.	dents are not segregated	only enfonce bearing enforce is		
	Segregatedi				
13.	Design detail for Primary Treatment P	lant			
	Capacity of Chrome Recovery Plant,CRF	$P(m^3): 6KLD$			
	Primary Treatment Plant detail:				
	Collection cum Equalization tank :				
	Length :3.0 m				
	Width :3.0 m				
	Depth :4.5 m				
	Clarifier				
	Dia : 2.0 m				
	Depth :2.0 m				
	Cone:1.5				
	Sludge Drying Beds : 3X2X1.5 (2No.)	)			

14.	Design detail for Secondary Treatment Plant: Discharged To CETP							
15.	Efflue	ent characteristics( Primary	<i>Y</i> ):					
l	S No	Location of sample	рН	TSS (mg/l)	Cr (T) (mg/l)		t has not provided ion system in the	
l	01	Collection cum Equalisation tank	8.23	239	8.16		while pumping the directly, settling	
	02	Final effluent from primary treatment plant	8.91	621	16.90		s get disturbed. So value of TSS is in	
	03	Standard	6.5 - 9.0	Below 600	45	outlet.		
		ollution – Emission Source	es & Control					
16		es of air pollution				• •		
	Details	s of D.G Set	Capacity 125 KVA			ic enclosui	re provided	
17	Fuel C	Consumption	Type of fue	<u>.</u> 1	No Consur	nntion	Used in	
17	ruere	onsumption	Diesel	1	15 LPH		DG set	
18	Manag	gement of hazardous waste		olid waste gen		•		
		of Wastes	Quantity generated			Storage & Disposal		
		cal sludge from ETP	80 Kg/da	No storage facility & disposed				
I		C			to TSDF			
	Fleshi	ngs,	Data not a	No s	No storage facility. Disposed for manure producer			
	shavii	ngs		man				
l	Memb	er of TSDF : BOW ML/K/	/1007/12 (Bh	arat Oil & Wa	ste Manag	gement Lto	1.)	
C	Status	of validity & compliance	of consents d	and authorizat	tion			
19	Conser	nt/Authorization						
Ι	Under	Water Act:			31.12.2013			
II		Air Act:			31.12.2013			
III		ous Waste authorization:			Not a	vailable		
	3 Overa	Il Observations:			<u> </u>			
20	•	Environmental data displa	-		-		ut.	
I	•	Unit is having 12 drums o		· •			CDD	
I	•	Unit is not having proper/o Unit is not segregating		-	-			
I	•	bearing effluent is being s	-		ther proc	ess ennue	ints, only Chrome	
	•	Fresh water leakage was o						
	•	During the inspection the		operated. Th	e unit ha	as not pro	vided distribution	
		system in the settler, while						
		which shows higher value			-	-	-	
	•	Log book for the chemica	l consumption	on in PETP wa	ater consu	mption &	effluent discharge	

	<ul> <li>was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. At time of inspection it was observed that the discharge meter reading is not matching with record and after that the meter was adjusted manually as per the record.</li> <li>Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details.</li> <li>Unit is not having proper storage area/facility for PETP sludge, Fleshing and shavings waste and no records/logbook is being maintained for generation, storage and disposal.</li> <li>Unit is having DG set of capacities 125 KVA without acoustic enclosure.</li> <li>Unit is not having authorization for Hazardous Waste.</li> <li>Housekeeping is not satisfactory.</li> </ul>
C	Recommendations/Suggestion:
21.	<ul> <li>Unit should have proper dedicated channel for carrying chrome bearing waste water to CRP.</li> <li>Unit should take necessary steps/modification of PETP and ensure proper neutralisation to achieve the discharge norms.</li> <li>Unit should segregate high TDS effluent from other stream and ensure proper treatment of it.</li> <li>Fresh water leakage should be stopped.</li> <li>Unit should ensure proper working of flow meters and maintenance of record for actual discharge and manual changing of reading to be avoided.</li> <li>Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details.</li> <li>Unit should have proper storage area/facility for PETP sludge, Fleshing and shavings waste and proper records need to be maintained for generation, storage and disposal.</li> <li>Unit should have acoustic enclosure for the DG sets.</li> <li>Unit should apply/obtain authorization for Hazardous Waste from UPPCB.</li> <li>Housekeeping should be improved.</li> </ul>
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :21/10/2013



# INSPECTION REPORT OF M/S RAHMAT SONS LEATHER FINISHERS

S	General Information & Production Deta	tils		
1.	Name and address of the industry	M/s Rahmat Sons Leather Finishers		
		103/96, 150 ft Road, Jajmau, Kanpur		
2.	Name of the occupier/contact person	Sh. Mohamed Dhanesh		
	with			
	a. Telephone	a.9935023272		
	b. Fax	b.		
	c. e-mail	с.		
3.	Date/Year of commissioning	2000		
4.	Type of tanning	Chrome Tanning		
5.	Detail of tanning & associated processes	Raw to finish		
C	Overall Observations:			
	<ul> <li>At time of inspection no concern person was available to get the information. As per the information provided by the worker Sh. Javed Ahtar, the closure direction was issued to unit by UPPCB, but at time of inspection the unit found operational (illegal operation). Goat hide is being processed and the effluent generated is being directly discharged to the CETP drain. Samples were collected at time of inspection. The analysis result of the samples is as follows</li></ul>			
C	Recommendations/Suggestion:			
7.	• The unit should be closed immedia	tely due to illegal operation.		
8.	Inspecting team :Sh. R.Rajkumar, Sci C			
	Dr. H. V. Jigyasu, RA			
9.	Date of Inspection :21/10/2013			



# INSPECTION REPORT OF M/S UPPER INDIA PVT LTD.,

C	General Information & Production Deta	uls				
1.	Name and address of the industry	M/s Upper India Pvt Ltd				
		38/32, 150 ft Road, Jajmau, Kanpur				
2.	Name of the occupier/contact person	Sh. Mohamed Salheh				
	with					
	a. Telephone	a. 2460650				
	b. Fax	b. 2460111				
	c. e-mail	c. info@upintan.com				
3.	Date/Year of commissioning	1946				
4.	Type of tanning	NA				
5.	Detail of tanning & associated processes	Wet blue to finish				
6.	Installed processing capacity	No. of wet blue processed	/ day – 200			
7.	Present production status	No. of wet blue processed	/ day - 200			
8	Major raw materials consumed	Chemicals	Quantity in Kg/ for 200			
			hides			
		Degreasing &	25.5			
		Neutralizing agent				
		Ammonium bicarbo	15			
		Fish oil	60			
		Poly phosphate	1.5			
		Polymeric fatliquor	120			
		Anti-knotting agent	3			
		Polymer	22.5			
		Syntan	30			
		Dicynamide based syntan	15			
		Dye leveler	15			
		Protein filler	22.50			
		Synthetic fatliquor	120			
9.	Status of fresh water metering system		ed at intake (bore well) of			
	(Available )	the unit.				
			ed at final outlet of PETP.			
10	Source of fresh water	Bore well : 1 No.				
	Water Consumption	130 KLD (as consented)				

C	Waste	Water – Generation	& Tre	atment							
11	Waste	water generation		8	80 KLD						
12.	Descri	iption of Effluent N	Aanag	ement : NA	A						
13.	Design	Design detail for Primary Treatment Plant									
	Capac	ity of Chrome Recov	ery Pla	unt,CRP (m	n <sup>3</sup> ) : NA						
	Primary Treatment Plant detail:										
		tion Cum Equalizatio	on tank	· ·							
	-	n : 9.11 ft									
		Width : 9.11 ft									
	Depui	Depth : 11 ft									
	Clarifi	er									
		n: 5.1 ft									
	width	width : 5.1 ft									
	Depth	: 5.1 ft									
	Cone	: 7.4 ft									
	Sludge	e Drying Beds : 11.3	ft x 5 f	t (3 nos)							
1.1	<b>.</b>										
14.	-	n detail for Seconda									
15.	EIIIue	ent characteristics( Pr	mary)	test repo	ort awalte	a					
	S No	Location of sample		pН	TS	S		Cr (T) (mg/l)			
					(mg	g/l)					
	01	Collection tank		7.17	68.	6		3.0			
	02	Final effluent from		6.99	298	98.5		9.36	-		
		primary treatment p	olant								
	03	Standard		6.5 – 9.0	Bel	low 600	)	45			
C	Air Pa	l Ilution – Emission S	Sources	s & Contro	 51						
16	1	es of air pollution	1	r (Thermic		eater)	Ge	enerator	Buffing		
		-				,					
	Chimney Details 100 ft			ť			850	) KVA			
	APC E	Equipments	Mech	nanical dus	t collect	or &	Wi	th Acoustic	Bag filter		
	Provid	ed	cyclo	one			enc	closure			
17	Fuel C	consumption		Type of fu	ıel		С	onsumption	Used in		
			Ī	Coal			20	)-25 TPM	Baby boiler		
				Diesel			70	) lph	DG set		

18	Management of hazardous wastes and other solid waste generation					
	Type of Wastes   Quantity general		Storage & Disposal			
	Chemical sludge from ETP	25 Kg/day	No storage facility & disposed			
		to TSDF				
	Ash	12.5 TPM	Stored & disposed to ash brick			
			maker			
	shavings & Buffing waste	Not available	Disposed to leather board			
			makers.			
	Member of TSDF : Ramky & Me	embership No. 1100				
C	Status of validity & compliance of	of consents and authorizat	ion			
19.	Consent/Authorization					
Ι	Under Water Act:		Applied for renewal			
II	Under Air Act:		_			
III	Hazardous Waste authorization:					
20	Overall Observations:	cizco 8 x 0 ft in which 8 d	nume are non working			
20	<ul><li>Unit is having 16 drums of</li><li>Unit is not having proper st</li></ul>		-			
			lid waste and not having log book for			
	waste generation, storage a		nd waste and not naving log book for			
		-	ter consumption & effluent discharge			
	_		r) installed at the intake and final out			
	let of PETP.					
	• Unit is not marinating prop	per records/log book for c	hemical consumption, hides purchase			
	and production details.					
			ater Act, 1974 & Air Act, 1981 and			
	authorization for Hazardou					
	Housekeeping is not satisfa	actory.				
21	<b>Recommendations/Suggestion:</b>	ntle all non monthing damage				
21	<ul> <li>Unit should remove/disman</li> <li>Unit should maintain prop</li> </ul>	-	hemical consumption, hides purchase			
	and production details.	er records/log book for er	iennear consumption, mees purchase			
		storage facility for ETP	sludge, shavings waste etc and to			
	maintain records/log book	•				
	• Unit should have valid cor	nsent under Water Act, 19'	74 & Air Act, 1981 and authorization			
	for Hazardous Waste from UPPCB.					
	Housekeeping should be in	nproved.				
22	Inspecting team :					
	Sh. R.Rajkumar, Sci C, ZO-Banga					
	Dr. H. V. Jigyasu, RA, ZO-Luckno	OW				
23.	Date of Inspection :21/10/2013					



# INSPECTION REPORT ON M/S RAJIV LEATHER EMBOSSING

	General Information & Production Deta				
1.	Name and address of the industry	M/s Rajiv Leather Embossing, 47/46,Gajjupurwa, Jajmau, Kanpur			
2.	Name of the occupier/contact person	Sh. Rajiv Chandra			
	with				
	a. Telephone	a.9935447790			
	b. Fax	b.			
	c. e-mail	c.rajivleather@yahoo	o.co.in		
3.	Date/Year of commissioning	1996			
4.	Type of tanning	Fat liquoring			
5.	Detail of tanning & associated processes	Wet blue on-wards: f	at liquoring- shaving-dyeing-		
		finish leather-industr	ial safety hand gloves.		
6.	Installed processing capacity	No. of hides processed / day-5 hides/day			
		Type of hides / skin -	- split leather/buffalo		
7.	Present production status	No. of hides processe	ed / day-5 hides/day		
		Type of hides / skin-	split leather/Buffalo		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch		
		Fat liquor	100 kg/ batch		
		Synthetic	2.5 kg		
		China clay	25 kg		
9.	Status of fresh water metering system (Available )	<ul> <li>Water meter installed at intake (borewell) of the unit.</li> <li>Water meter installed at final outlet of PETP.</li> </ul>			
10	Source of fresh water	Bore well :1 No.			
	Water Consumption	4 KLD			
C	-	J			
11	Wastewater generation	3 KLD			

12.	Descr	iption of Effluent Man	agement						
	Whether effluent segregation practiced: NA								
13.	3. Design detail for Primary Treatment Plant								
	Capac	Capacity of Chrome Recovery Plant CRP (m <sup>3</sup> ) : NA							
	Prima	ry Treatment Plant detail	:						
	Equali	zation tank :							
	-	n :1.5 m :1.5 m :2 m							
	Clarifi								
	Dia : 1 Depth Cone:	:1.5 m							
	Sludge	e Drying Beds (area in so	q m) : 1 X 1.2 (	1No.), 0.6	5 X 1.2	2 (01)			
14.	Desig	n detail for Secondary T	<b>Freatment Plan</b>	t: Discha	arge to	CETF	)		
15.	Efflue	ent characteristics( Prima	ry) :test report	awaited					
	S No	Location of sample	pН	TSS (mg/l)			Cr (T) (mg	g/l)	
	01	Collection tank	7.77	98.3			3.62		
	02	Final effluent from primary treatment plan	- t	-			-		
	03	Standard	6.5 - 9.0	Below	600		45		
C	Air Po	lollution – Emission Sour	rces & Control						
16	Source	es of air pollution	Boiler				NA		
	Detail	s of D.G Set	Capacity 5 KVA			Acous No	coustic enclosure provided		
17	Fuel C	Consumption					motion	Used in	
	Fuel C	Consumption	Type of fuel Diesel	L		8 LPH	Imption I	DG set	

18	Management of hazardous wastes and other solid waste generation					
	Type of Wastes	Quantity generated	Storage & Disposal			
	Chemical sludge from ETP	No information about	No storage facility. No			
		generation	information about disposal			
	shavings & Cutting	20 kg/day	No storage facility. Disposed to vendors			
	Member of TSDF (no) :					
C	Status of validity & compliance of	of consents and authorizati	on			
19	Consent/Authorization					
Ι	Under Water Act:		Applied			
II	Under Air Act:		Not available			
III	Hazardous Waste authorization:		Not available			
C	Overall Observations:					
20	• Unit has two drums of sizes	s 6 x 8 ft & 6 x 7 ft.				
	• Unit has provided PETP,	where the pipelines found	disconnected, effluent collected in			
	collection tank is directly d	ischarged to CETP.				
	• Water meter (mechanical f	low meter) installed at the in	ntake and final out let of PETP.			
	• Unit is not having proper s	storage area/facility for PET	P sludge and shavings waste and no			
	proper records maintained	for generation, storage and	disposal			
	• Unit is not maintaining pro	oper records/log book for w	ater consumption, effluent discharge			
	chemical consumption, hid	es purchase and production	details.			
	• Unit has DG set of capacity	y 5 KVA without acoustic e	nclosure.			
	• Unit has applied for renewa	al of consent under Water A	.ct, 1974.			
	• Unit is not having consent	under Air Act and Hazardo	us Waste Authorization.			
	• Housekeeping is not satisfa					
C		•				
21	• Unit should connect the p effluent to CETP after prim		re proper operation & discharge of			
	• Unit should have proper proper records to be mainta		ETP sludge & shavings waste and e and disposal			
	• Unit should maintaining	proper records/log book	for water consumption, effluent			
	discharge chemical consum	ption, hides purchase and p	production details.			
	• Unit should install acoustic	enclosure for the DG set.				
	• Unit should get valid conse	ent under Water Act, 1974 f	rom UPPCB.			
	• Unit should apply/obtain co	onsent under Air Act and H	azardous Waste Authorization.			
	• Housekeeping should be in	nproved.				
22	Inspecting team :					
	Sh. R.Rajkumar, Sci C, ZO-Banga	lore				
	Dr. H. V. Jigyasu, RA, ZO-Luckno	OW				
23	Date of Inspection :22/10/2013					

quad

### **INSPECTION REPORT OF GAURI TANNERS**

	(dlidl)				
	General Information & Production Deta				
1.	Name and address of the industry	M/s Gauri Tanners,			
		179, Laltupurwa, Jajmau, Kanpur			
2.	Name of the occupier/contact person with	Sh. Mohammad Ushn	nan		
	a. Telephone	a.9336103073			
3.	Date/Year of commissioning	1992			
4.	Type of tanning	Chrome Tanning			
5.	Detail of tanning & associated processes	Raw to Wetblue : soa	aking-liming-washing-deliming-		
		fleshing- tanning-			
		Wet blue on-wards:	summing-splitting-saving-fat		
			ing-pressing-finish leather.		
6.	Installed processing capacity	No. of hides processed / day-30 hides/day			
		Type of hides / skin ( specify)-Buffalo			
		Hide processed (Tonnes /day )-0.9 tonnes/day			
7.	Present production status	No. of hides processed / day-30 hides/day			
		Type of hides / skin (	specify)-Buffalo		
		Hide processed (Tonn	es /day )-0.9 tonnes/day		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch		
		Sodium sulphide	10		
		Lime	25		
		Sodium bi-sulphate	3		
		Sulphuric acid	10		
		Common salt	20		
		BCS (fresh)	15		
		Recovered chrome	-		
		(solid)			
		Synthetic,	15		
		semi-synthetic,			

		Vegetable,	12			
		fish oil,	5			
		GSPowder	15			
		wattle chest nut	15			
			3			
		Any other- Dye	3			
0						
9.	Status of fresh water metering system		installed at intake (borewell) of			
	(Available ) the unit.					
	• Water meter installed at final outlet of PETP.					
10	Source of fresh water	Bore well: 1 No.				
	Water Consumption	25 KLD				
	$(M^3/day)$					
	<b>3</b> Waste Water – Generation & Treatmen	t				
11	Wastewater generation	Chrome bearing strea	am : 600 litrs			
		Non-chrome bearing	stream: 20 KLD			
12.	2. Description of Effluent Management					
	Whether effluent segregation practiced:	Partial Segregation				
	High TDS effluent and other process effl	luents are not segregated	a only Chrome bearing effluent is			
	segregated.					
13.	Design detail for Primary Treatment I	Dont				
15.	Design detail for Primary Treatment I					
	Capacity of Chrome Recovery Plant, CR	$P(m^3) \cdot CCRII$ member	runit			
	Cupacity of Chrome Recovery Fland, CR		i unit			
	Primary Treatment Plant detail: (PETP i	s common for this unit	t & M/s Shakoor Tannerv.			
	sister unit in same compound)					
	Collection cum Equalization tank :					
	Length :1.9 m					
	Width :0.9 m					
	Depth :0.9 m					
	Clarifian					
	<u>Clarifier</u> Longth : 3.0 m					
	Length :3.0 m Width :2.7 m					
	Depth :2.1 m					

	Cone:1.2							
	Sludge Drying Beds: 2.1 X 1.45 X 0.9 (2No.)							
14.	Design	n detail for Secondary Tr	eatment Plan	t: Dischar	ge To	O CETP		
15.	Efflue	ent characteristics( Primary	<i>i</i> ):					
	S No	Location of sample	pН	TSS (mg/l)		Cr (T) (mg/l)		
	01	Collection tank	8.43	2465		19.66		
	02	Final effluent from primary treatment plant	6.79	544		19.06		
	03	Standard	6.5 - 9.0	Below	600	45		
		ollution – Emission Source						
16		es of air pollution Boil	T			NA		
	Detail	s of D.G Set	Capacity			Acoustic enclosure provided		
				60 KVA		No (placed in closed room)		
17	Fuel C	Consumption	Type of fuel Diesel			Consumption 5-6 LPH		
18	Manao	gement of hazardous waste		lid waste o				
10		of Wastes		Quantity generated     Storage & Disposal		sal		
		ical sludge from ETP		700 Kg/month		<u> </u>	Stored & disposed to TSDF.	
	Chenn							
	Fleshi	ng	100 kg/da	100 kg/day		No storage facility available,		
	shavii	ngs	70 kg/day			sold to local vendor		
	Memb	per of TSDF (Yes) : UPP	WMP-Mem N	lo. 0278 (F	Ramky	y)		
C	Status	s of validity & compliance	of consents a	nd author	izatio	n		
19.		nt/Authorization	- J			-		
Ι		Water Act:				31.12.2014		
II	Under	Air Act:				Applied		
III	Hazardous Waste authorization:			Applied				
6	Overa	all Observations:						
20	<ul> <li>Unit is having 5 drums of sizes 8 x 8 ft, in which 3 drums for tanning and remaining 2 drums for milling and 6 paddles having capacity 8 x 7 ft.</li> <li>UPPCB has permitted to treat the effluent generated from this unit &amp; M/s Shakoor Tannery (sister unit in same compound) commonly in the same PETP.</li> <li>Unit has not provided dedicated channel for carrying chrome wastewater to CRP.</li> </ul>							

	• Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated.
	• Flexible pipeline system is provided in ETP.
	• Unit is bypassing the untreated effluent directly from the plant to drain/CETP conveyance line.
	• Unit is not having proper storage area/facility for Fleshing and shavings waste and no proper records maintained for generation, storage and disposal
	<ul> <li>Log book for the chemical consumption in ETP, water consumption &amp; effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP.</li> </ul>
	• Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details.
	• Unit has buffing machine, which is connected with the bag filter to control the emission. The buffing waste from bag filter is not being removed & stored properly.
	• Unit has applied for renewal of consent under Air Act, 1981 and Hazardous Waste Authorization.
	• Housekeeping is not satisfactory.
C	Recommendations/Suggestion:
21.	<ul> <li>Unit should provide dedicated channel for carrying chrome wastewater to collection tank.</li> <li>Unit should segregate High TDS effluent and other process effluents and ensure proper treatment of it.</li> </ul>
	<ul> <li>Flexible pipeline system is provided in PETP should be replaced by permanent pipeline.</li> </ul>
	<ul> <li>Unit should stop bypassing of untreated effluent directly from the plant to drain/CETP conveyance line and discharge point from plant to channel should be closed permanently.</li> <li>Unit is should have proper storage area/facility for Fleshing and shavings waste and proper records is to be maintained for generation, storage and disposal.</li> </ul>
	<ul> <li>Unit should maintain proper record logbook for sludge generation, storage and disposal.</li> <li>Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details.</li> </ul>
	<ul> <li>The buffing waste from bag filter should be removed &amp; stored properly.</li> <li>Unit should obtain consent under Air Act, 1981 and Hazardous Waste Authorization.</li> </ul>
	• Housekeeping should be improved.
22.	Inspecting team :
	Sh. R.Rajkumar, Sci C, ZO-Bangalore
	Dr. H. V. Jigyasu, RA, ZO-Lucknow



# **INSPECTION REPORT OF M/S SHAKOOR TANNERY**

	General Information & Production Deta				
1.	Name and address of the industry	M/s Shakoor Tannery,			
		180 Laltupurwa, Jajm	au, Kanpur		
2.	Name of the occupier/contact person	Sh. Abdul Shakoor			
	with	0226112221			
	a. Telephone	a.9336112221			
	b. Fax				
2	c. e-mail	1000			
3.	Date/Year of commissioning	1998			
4.	Type of tanning	Chrome and Vegetabl	e Tanning		
5.	Detail of tanning & associated processes	Raw to Wetblue : soa	aking-liming-washing-deliming-		
		fleshing- tanning-			
		Wet blue on-wards: summing-splitting-saving-fat			
		liquoring-dyeing-finis	sh leather.		
6.	Installed processing capacity	Illed processing capacity No. of hides processed / day-2			
		Type of hides / skin ( specify)-Buffalo			
		Hide processed (kg /d	ay )-600 kg/day		
7.	Present production status	No. of hides processed	d / day-20 hides/day		
		Type of hides / skin ( specify)-Buffalo			
		Hide processed (kg /d	ay )-600kg/day		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch		
		Sodium sulphide	5		
		Lime	20		
		Common salt	18		
		BCS (fresh)	10		
		Synthetic,	5		
		semi-synthetic,	10		
		Vegetable, fish oil,	3		
		myrobalan, GS,	10		
		Powder	10		
		wattle chest nut	20		
		dye	2		

9.	Status of fresh water metering system	• Water meter installed at intake (borewell) of
	(Available)	the unit.
		• Water meter installed at final outlet of PETP.
10	Source of fresh water	Bore well :1 No.
	Water Consumption	14KLD
0	Waste Water – Generation & Treatment	
11	Wastewater generation	Chrome bearing stream : 200 Lits
		Non-chrome bearing stream:12 KLD
12.	Description of Effluent Management	
	Whether effluent segregation practiced: Pa	artial Segregation
		ents are not segregated only Chrome bearing effluent is
	segregated.	
13.	Design detail for Primary Treatment Pl	ant
	Capacity of Chrome Recovery Plant, CRP	(m <sup>3</sup> ) : CCRU member unit
	Primary Treatment Plant detail: ( <b>PETP is unit in same compound</b> )	common for this unit & M/s Gauri Tanners, sister
	Equalization tank :	
	Length :1.9 m	
	Width :0.9 m	
	Depth :0.9 m	
	<u>Clarifier</u>	
	Length :3.0 m	
	Width :2.7 m	
	Depth :2.1 m	
	Cone:1.2	
	Sludge Drying Beds : 2.1X1.45X0.9 (2No	.)
14.	Design detail for Secondary Treatment	Plant: Discharge to CETP

15.	Efflue	ent characteristics( Prim	nary)	:					
	S No	Location of sample	1	рН	TSS (mg/l)		Cr (T) (mg/l)		
	01	Collection tank	8	8.43	2465		19.66		
	02	Final effluent from primary treatment pla		5.79	544		19.06		
	03	Standard	(	5.5 – 9.0	Below	600	45		
C	Air Po	ollution – Emission Sou	urces	& Control	NA				
16	Source	es of air pollution	Boile	er			Generato	or	
	NA								
17	Fuel C	Consumption	1	NA					
18	Manag	gement of hazardous wa	astes a	and other so	olid waste	genera	ation		
	Type of	of Wastes		Quantity g	generated		Storage & D	visposal	
	Chemi	cal sludge from ETP		400 Kg/m	onth		Disposed to	TSDF	
	Fleshi	ngs		60 kg/day			No storage facility		
	saving	•		20kg/day			i to storage i	no storage raemty	
	-	(specify) :							
	Memb	er of TSDF (Yes) : U	PPW	MP-Mem N	No. 0279	(Ramky	y)		
6	Status	of validity & complian	nce of	consents (	and autho	prizatio	n		
19		nt/Authorization	iee oj	00115011150		1 12,4110			
I		Water Act:					31.12.2013		
II		Air Act:					NA		
III		ous Waste authorization	n:				Applied		
		Il Observations: House		ng, O&M	of ETP, V	Vaste m			
20	•	Environmental data dis	-					unit.	
	•	Unit is having 4 drum							
		capacity 6 x 8 ft.							
	•	UPPCB has permitted	to tre	at the efflu	ient gene	rated fr	rom this unit &	M/s Gauri Tanners,	
		(sister unit in same con	npour	nd) commo	nly in the	same H	PETP.		
	•	Unit has not provided of	dedica	ated channe	el for carr	ying ch	rome wastewate	er to CRP.	
	•	Unit is not segregatin bearing effluent is bein	-	-	ffluent a	nd othe	er process efflu	uents, only Chrome	
	•	Unit is not having proper records maintain	oper s	storage are				vings waste and no	
	•	Unit is not maintainin	ng pro	oper record	-		-	umption, raw hides	
	purchase and production details.								

	• Unit has applied for Hazardous Waste Authorization.
	• Housekeeping is not satisfactory.
C	Recommendations/Suggestion:
21.	• Unit should install the display board on the main gate of the unit.
	• Unit should provide dedicated channel for carrying chrome wastewater to collection tank.
	• Unit should segregate High TDS effluent and other process effluents and ensure proper treatment of it.
	• Unit is should have proper storage area/facility for Fleshing and shavings waste and proper records is to be maintained for generation, storage and disposal.
	• Unit should maintain proper record logbook for sludge generation, storage and disposal.
	• Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details.
	• Housekeeping should be improved.
	• Unit should obtain for Hazardous Waste Authorisation from UPPCB.
22.	Inspecting team :
	Sh. R.Rajkumar, Sci C, ZO-Bangalore
	Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :22/10/2013



## **INSPECTION REPORT OF M/S M. A. LEATHERS**

	طلتعل				
Û	General Information & Production Deta	ils			
1.	Name and address of the industry	M/s M.A. Leathers,			
		159/152, Laltupurwa, Jajmau, Kanpur			
2.	Name of the occupier/contact person with	Mr. Firoz Ahmad			
	a. Telephone	a.9889032028			
	b. Fax	b.			
	c. e-mail	о. с.			
3.	Date/Year of commissioning	-			
5.	Date/ Tear of commissioning	-			
4.	Type of tanning	NA			
5.	Detail of tanning & associated processes	Fat liquoring of split le	eather is carried out		
6.	Installed processing capacity	No. of hides processed	/ day- 05 hides/day		
		Type of hides / skin ( s	pecify)-Buffalo split leather		
7.	Present production status	No. of hides processed / day- 05 hides/day			
		Type of hides / skin ( s	pecify)-Buffalo split leather		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch		
		Synthetic,			
		semi-synthetic,			
		Vegetable, fish oil,	30 kg		
		Negrosine black Dye	2 kg		
9.	Status of fresh water metering system		stalled at intake (borewell) of		
	(Available)	the unit.			
		• Water meter in	stalled at final outlet of PETP.		
10	Source of fresh water	Bore well:1 No.			
	Water Consumption	3.5 KLD			
٥	Waste Water – Generation & Treatment				
11	Wastewater generation	2.5 KLD			
12.	Description of Effluent Management	1			
	Whether effluent segregation practiced: N	JA			

13.Design design de	Design detail for Primary Treatment Plant								
Capacity	Capacity of Chrome Recovery Plant, CRP (m <sup>3</sup> ) : NA								
Primary 7	Primary Treatment Plant detail:								
Equalizat	Equalization tank :								
Width :1	Length :1.21 m Width :1.21 m Depth :2.43 m								
<u>Clarifier</u>									
Dia : 0.9 : Depth :1. Cone:0.9	2 m								
Sludge D	rying Beds :1 X 1 X 1	m (2No.)							
14. <b>Design d</b>	etail for Secondary T	reatment Plan	t: Discharge	ed To CETP					
15. Effluent	characteristics( Primar	y) :							
S No L	ocation of sample	pH	TSS (mg/l)	Cr (T) (mg/l)					
01 C	hannel	7.51	127	8.08					
02									
03 <b>S</b>	tandard	6.5 - 9.0	Below 60	0 45					
Air Pollu	tion – Emission Sourc	es & Control:	NA						
16 Sources of	of air pollution B	oiler		Generator					
NA									
17Fuel Cons18Managem	sumption nent of hazardous waste	NA es and other sol	id waste oer	neration					
Type of V		Quantity g		Storage & Dispos	sal				
	sludge from ETP	No data av		No storage facilit					
shavings		1 ton/ mon	th	information abou No storage facilit	-				
Member	of TSDF (Yes) : Not	available		local vendor					

¢	Status of validity & compliance of consents and author	rization				
19.	Consent/Authorization					
Ι	Under Water Act:	21.12.2013				
II	Under Air Act:	NA				
III	Hazardous Waste authorization:   Not available					
¢	Overall Observations:					
20	<ul> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>Unit has one drum of size 6 x 8 ft for fat liquoring.</li> <li>Unit has provided bypass line at the inlet of collection tank which goes to CETP conveyance line directly.</li> <li>At time of inspection, PETP was not in operation, the effluent generated is directly going to CETP conveyance line without treatment.</li> <li>Water meter (mechanical flow meter) installed at the intake and final out let of PETP.</li> <li>Unit is not having proper storage area/facility for PETP sludge and shavings waste and no proper records maintained for generation, storage and disposal</li> <li>Unit is not maintaining proper records/log book for water consumption, effluent discharge chemical consumption, hides purchase and production details.</li> <li>Unit is not having Hazardous Waste Authorization.</li> <li>Housekeeping is not satisfactory.</li> </ul>					
5	Recommendations/Suggestion:					
21.	<ul> <li>Environmental data display board should be instal</li> <li>Unit has provided close the bypass line at the in primary treatment of effluent before discharge to 0</li> <li>Unit should have proper storage area/facility for proper records to be maintained for generation, state Unit should maintain proper records/log book for chemical consumption, hides purchase and product Unit should apply/obtain Hazardous Waste Authon Housekeeping is not satisfactory.</li> </ul>	nlet of collection tank and ensure proper CETP. or PETP sludge and shavings waste and orage and disposal. or water consumption, effluent discharge ction details.				
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow					
23.	Date of Inspection : 22/10/2013					



## INSPECTION REPORT OF M/S R. A. TRADE & INDUSTRIES

	General Information & Production Deta	ils		
1.	Name and address of the industry	M/s R.A. Trade & Indu		
		187/180 A, Laltupurwa	a, Jajmau, Kanpur	
2.	Name of the occupier/contact person	Sh. B.M. Srivastava		
	with			
	a. Telephone	a.9935080000		
	b. Fax	b.		
	c. e-mail	c.info@hidecide.com		
3.	Date/Year of commissioning	1986		
4.	Type of tanning	Chrome & Vegetable	Fanning both	
5.	Detail of tanning & associated processes	Raw to Wetblue : soak	ing-liming-washing-deliming-	
		fleshing- tanning-		
		0 0	mming-splitting-saving-fat	
		liquoring-dyeing-finish		
6.	Installed processing capacity	No. of hides processed		
		Type of hides / skin ( specify)-Buffalo		
		Hide processed (Tonnes /day )-1.8 tonnes/day		
7.	Present production status	No. of hides processed	/ day-60 hides/day	
		Type of hides / skin ( s	specify)-Buffalo	
		Hide processed (Tonne	es /day )-1.8 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch	
		Sodium sulphide	20	
		Lime	80	
		Sodium bi-sulphate	3	
		Sulphuric Acid	5 kg	
		Common salt	60	
		BCS (fresh)	30	
		Synthetic,	6	
		semi-synthetic,		
		Vegetable, fish oil,	6	
1	1	1		

		myrobalan, GS,			
		•	20		
		Powder	20		
		wattle chest nut			
			20		
9.	Status of fresh water metering system	Water meter in	stalled at intake (borewell) of		
	(Available )	the unit.	· · · · ·		
	(		stalled at final outlet of PETP.		
		• water meter m			
10	Source of fresh water	Bore well:1 No.			
	Water Consumption	60 KLD			
G	Waste Water – Generation & Treatment				
11	Wastewater generation	Chrome bearing stream	n : 1.2 KL		
	Sector and generation				
		Non-chrome bearing st	tream·42 KI D		
12.	<b>Description of Effluent Management</b>				
	Whether effluent segregation practiced: N	lo segregation			
		effluent and other process effluents are not segregated.			
13.	Design detail for Primary Treatment P	lant			
	Capacity of Chrome Recovery Plant, CRP	$(m^3): 3 \text{ KLD}$			
	Primary Treatment Plant detail:				
	Collection cum Equalization tank :				
	_				
	Length :2.45 m				
	Width :1.98 m				
	Depth :3.04 m				
	Clarifier				
	Dia : 2.74 m				
	Depth :3.6 m				
	Cone:1.5				
	Sludge Drying Beds : 3 X 2.4 (2No.)				
14.	Design detail for Secondary Treatment	<b>Plant:</b> Discharge to CE	ТР		
		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
15.	Effluent characteristics( Primary) :				

	S No	Location of sample	pН	TSS		Cr (T)	
				(mg/l)		(mg/l)	
	01	Equalisation tank	6.89	1119		2.92	
	02	Final effluent from	9.12	543		9.40	
		primary treatment plant					
	03	Standard	6.5 – 9.0	Below 6	00	45	
6	Air Pa	ollution – Emission Sourc	es & Control				
16	Source	es of air pollution	Boiler : capaci	ty not availat	ole/provide	ed	
	Chimn	ey Details	10 mt height				
	APC E	Equipments Provided	No				
	Details	s of D.G Set	Capacity		Acoustic	enclosu	re provided
			125 KVA		No		
17	Fuel C	consumption	Type of fuel		Consum	ption	Used in
			Diesel		20-22 LH	PH	DG set
			Coal		200 Kg/d	lay	Baby Boiler
18	Manag	gement of hazardous waste	s and other sol	id waste gene	ration		
	Type of	of Wastes	Quantity generated St		Stora	Storage & Disposal	
	Chemi				storage facility. Disposed to		
					TSDF	TSDF.	
	Fleshi	ngs, savings &					
	Others	(specify) :			No st	No storage facility. Disposed to	
	Glue & leather board makers.					r board makers.	
	Memb	er of TSDF (Yes) : UPP	WMP-Mem No	o. 0320 (Ram	ky)		
٢	Status	of validity & compliance	of consents an	d authorizati	on		
19	~						
1	Conser	nt/Authorization					
Ι		t/Authorization Water Act:			31.12.2	2013	
	Under				31.12.2 31.12.2		
Ι	Under Under	Water Act:				2013	
I II III	Under Under Hazard	Water Act: Air Act:			31.12.2	2013	
I II III	Under Under Hazard Overa	Water Act: Air Act: ous Waste authorization:	n which 2 dru	ms used for r	31.12.2 Applied	2013 d	x 8 ft, 2 drums for
I II III	Under Under Hazard Overa	Water Act: Air Act: ous Waste authorization: <i>Il Observations:</i>			31.12.2 Applied	2013 d sizes 7 x	
I II III	Under Under Hazard Overa	Water Act: Air Act: ous Waste authorization: <i>Il Observations:</i> Unit is having 8 drums, i	drums for oili	ng of sizes 7	31.12.2 Applied	2013 d sizes 7 x	
I II III	Under Under Hazard Overa	Water Act: Air Act: ous Waste authorization: <i>Il Observations:</i> Unit is having 8 drums, i tanning of sizes 8 x 8 ft, 2	drums for oili sizes 10 x 10 f	ng of sizes 7 t.	31.12.2 Applied nilling of x 8 ft and	2013 d sizes 7 x 2 drums	of size 7 x 8 ft not
I II III	Under Under Hazard Overa	Water Act: Air Act: ous Waste authorization: <i>Il Observations:</i> Unit is having 8 drums, i tanning of sizes 8 x 8 ft, 2 working and 4 paddles of	drums for oili sizes 10 x 10 f gh TDS effluer	ng of sizes 7 t. nt, chrome wa	31.12.2 Applied nilling of x 8 ft and	2013 d sizes 7 x 2 drums and other	of size 7 x 8 ft not process effluents.
I II III	Under Under Hazard Overa	Water Act: Air Act: ous Waste authorization: <i>Il Observations:</i> Unit is having 8 drums, i tanning of sizes 8 x 8 ft, 2 working and 4 paddles of Unit is not segregating Hi	drums for oili sizes 10 x 10 f gh TDS effluer t, effluent char	ng of sizes 7 t. nt, chrome wa	31.12.2 Applied nilling of x 8 ft and	2013 d sizes 7 x 2 drums and other	of size 7 x 8 ft not process effluents.
I II III	Under Under Hazard Overa	Water Act: Air Act: ous Waste authorization: <i>Il Observations:</i> Unit is having 8 drums, i tanning of sizes 8 x 8 ft, 2 working and 4 paddles of Unit is not segregating Hi Unit has installed CRP bu	drums for oili sizes 10 x 10 f gh TDS effluer t, effluent char l to PETP.	ng of sizes 7 t. nt, chrome wa nnel from the	31.12.2 Applied nilling of x 8 ft and	2013 d sizes 7 x 2 drums and other	of size 7 x 8 ft not process effluents.
I II III	Under Under Hazard Overa	Water Act: Air Act: ous Waste authorization: <i>Il Observations:</i> Unit is having 8 drums, i tanning of sizes 8 x 8 ft, 2 working and 4 paddles of Unit is not segregating Hi Unit has installed CRP bu all channels are connected	drums for oili sizes 10 x 10 f gh TDS effluen t, effluent char l to PETP. s provided in P	ng of sizes 7 t. nt, chrome wa nel from the PETP.	31.12.2 Applied nilling of x 8 ft and astewater a tanning se	e013 d sizes 7 x 2 drums and other ction is r	of size 7 x 8 ft not process effluents. not connected to it,
I II III	Under Under Hazard Overa	Water Act: Air Act: ous Waste authorization: <i>Il Observations:</i> Unit is having 8 drums, i tanning of sizes 8 x 8 ft, 2 working and 4 paddles of Unit is not segregating Hi Unit has installed CRP bu all channels are connected Flexible pipeline system i	drums for oili sizes 10 x 10 f gh TDS effluen t, effluent char l to PETP. s provided in P r storage area	ng of sizes 7 t. nt, chrome wa nnel from the PETP. /facility for F	31.12.2 Applied nilling of x 8 ft and stewater a tanning se	2013 d sizes 7 x 2 drums and other ction is r	of size 7 x 8 ft not process effluents. not connected to it, hing and shavings

	<ul> <li>Unit is not maintaining proper records/log book for water consumption, effluent discharge chemical consumption, raw hides purchase and production details.</li> <li>Unit has applied for Hazardous Waste Authorization.</li> <li>Housekeeping is not satisfactory.</li> </ul>
C	Recommendations/Suggestion:
21.	<ul> <li>Unit should segregate &amp; provide dedicated channel for carrying chrome wastewater to CRP.</li> <li>Unit should segregate High TDS effluent and other process effluents and ensure proper treatment of it.</li> <li>Flexible pipeline system is provided in PETP should be replaced by permanent pipeline.</li> <li>Unit is should have proper storage area/facility for PETP sludge, Fleshing and shavings waste and proper records is to be maintained for generation, storage and disposal.</li> <li>Unit should maintain proper records/log book for water consumption, effluent discharge, chemical consumption, raw hides purchase and production details.</li> <li>Unit should obtain Hazardous Waste Authorization from UPPCB.</li> <li>Housekeeping should be improved.</li> </ul>
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :22/10/2013



# INSPECTION REPORT OF M/S YAQUB TANNERS

6	Greeneral Information & Production Deta	ails				
1.	Name and address of the industry	M/s Yaqub Tanners				
		112 F, Chabilepurwa, Jajn	nau, Kanpur			
2.	Name of the occupier/contact person	Sh. Mohamed Kayab	, I			
	with					
	a. Telephone	a.9336120907				
	b. Fax	b. 2463427				
	c. e-mail	c. sales@zail.in				
3.	Date/Year of commissioning	1998				
4.	Type of tanning	NA				
5.	Detail of tanning & associated processes	Splits-oiling-dyeing-millin	ng-finishing			
6.	Installed processing capacity	No. of hides processed / d	ay – 5 hides/day			
		Type of hides / skin ( specify)- Buffalo				
		Hide processed - 350 kg/day				
7.	Present production status	No. of hides processed / day – 5 hides/day				
		Type of hides / skin ( specify)- Buffalo				
		Hide processed - 350 kg/d	ay			
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch			
		Synthetic,	48			
		semi-synthetic,				
		Vegetable, fish oil,				
		myrobalan, GS, Powder				
		wattle				
9.	Status of fresh water metering system		led at intake (bore well) of			
	(Available)	the unit.				
			led at final outlet of PETP.			
10	Source of fresh water	Bore well :1 No.				
	Water Consumption	4 KLD				
	Waste Water – Generation & Treatment					
11	Wastewater generation	3 KLD				
12.	<b>Description of Effluent Management</b>	: NA				

13.	Design	n detail for Primary Tr	eatr	nent Plant					
	Capacity of Chrome Recovery Plant, CRP (m <sup>3</sup> ) : NA								
	Primary Treatment Plant detail:								
	Length Width	zation tank: n : 7.5 ft : 7.5 ft : 12 ft							
	width Depth Cone	n: 10.5 ft : 10.5 ft : 5 ft	1.5	m (2nos)					
14.		n detail for Secondary (			Discharge	d To C	ETP		
15.	Efflue	ent characteristics( Prima	arv)	:					
	S No	Location of sample		pН	TSS (mg/l)		Cr (T) (mg/l)		
	01	Collection cum Equalisation tank		7.75	49		2.64		
	02	Final effluent from primary treatment plan		6.93	123		11.9		
	03	Standard		6.5 – 9.0	Below 6	00	45		
0		ollution – Emission Sou	r	& Control					
16	Sources of air pollution B								
1		-		iler			Genera	tor	
	Chimn	ey Details	NA NA			75 KV	'A		
15	Chimn APC E	ey Details Equipments Provided	NA	A		Witho	'A ut Acoustic e	nclosure	
17	Chimn APC E	ey Details	NA	A Type of fuel		Witho Con	A ut Acoustic e sumption	nclosure Used in	
	Chimn APC E Fuel C	ey Details Equipments Provided onsumption	NA	A Type of fuel Diesel		Witho Con 7-8	A ut Acoustic e sumption ph	nclosure	
17 18	Chimn APC E Fuel C Manag	ey Details Equipments Provided onsumption gement of hazardous was	NA	Type of fuel Diesel and other solid	-	Witho Con 7-8 eration	A ut Acoustic e sumption ph	Inclosure Used in DG set	
	Chimn APC E Fuel C Manag	ey Details Equipments Provided onsumption gement of hazardous was of Wastes	NA	Type of fuel Diesel and other solid Quantity gene	erated	Witho Con 7-8 heration	A ut Acoustic e sumption ph torage & Dis	nclosure Used in DG set posal	
	Chimn APC E Fuel C Manag	ey Details Equipments Provided onsumption gement of hazardous was	NA	Type of fuel Diesel and other solid	erated	Witho Con 7-8 eration S N	A ut Acoustic e sumption ph torage & Dis	Used in DG set	
	Chimn APC E Fuel C Manag	ey Details Equipments Provided onsumption gement of hazardous was of Wastes cal sludge from ETP	NA	Type of fuel Diesel and other solid Quantity gene	erated asented)	Witho Con 7-8 I eration S to N	A ut Acoustic e sumption ph torage & Dis to storage fac o TSDF	Inclosure Used in DG set posal ility & disposed	

6	Status of validity & compliance of consents and authorize	ation
19.	Consent/Authorization	
Ι	Under Water Act:	31.12.2013
II	Under Air Act:	31.12.2013
III	Hazardous Waste authorization:	Applied for authorization
ć	Overall Observations:	
20	<ul> <li>Unit is having 5 drums of sizes 7 x 7 ft in which 1 drums for oiling/fat liquoring.</li> <li>During inspection over flowing of settling tank w found in the settling tank.</li> <li>Unit is not having permanent pipelines in the PETP.</li> <li>Unit is having SDB outside the premises, which is for Unit is not having proper storage area/facility for shares of the unit is not having proper storage facility for ETP shares generation, storage and disposal.</li> <li>Log book for the chemical consumption in ETP, w was maintained. Water meter (mechanical flow methet of PETP.</li> <li>Unit is not maintaining proper records/log book for and production details.</li> <li>Unit has applied for authorization for Hazardous Water Housekeeping is not satisfactory.</li> </ul>	vas observed and also wood materials ound empty. avings waste. udge and not having log book for waste ater consumption & effluent discharge ter) installed at the intake and final out chemical consumption, hides purchase
¢	3 Recommendations/Suggestion:	
21.	<ul> <li>Unit should properly maintain the settling tank in or</li> <li>Unit should have permanent pipeline system in the F</li> <li>Unit should maintain proper records/log book for and production details.</li> <li>Unit should have proper storage facility for ETF maintain records/log book for generation, storage an</li> <li>Unit should get authorization for Hazardous Waste f</li> <li>Housekeeping should be improved.</li> </ul>	PETP rather than having flexible pipe. chemical consumption, hides purchase P sludge, shavings waste etc and to d disposal.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow	
23.	Date of Inspection :23/10/2013	



#### **INSPECTION REPORT OF M/S SABA LEATHERS**

C	General Information & Produc	tion Details				
1.	Name and address of the	M/s Saba Leathers				
	industry	539/A, D.T.S Road, 150 ft	Road, Jajmau, Kanpur			
2.	Name of the occupier/contact	Sh. Muffish				
	person with					
	a. Telephone	a.9795427946				
	b. Fax	b.				
	c. e-mail	с.				
3.	Date/Year of commissioning	2006				
4.	Type of tanning	NA				
5.	Detail of tanning & associated	Job work.				
	processes	Splitting, shaving, pressing,	, oil used for shining			
6.	Installed processing capacity	No. of hides processed / day - 5 hides/day				
7.	Present production status	No. of hides processed / day	y- 5 hides/day			
C.	Status of validity & compliance	of consents and authorization	on			
8	Consent/Authorization		Data not available.			
Ι	Under Water Act:					
II	Under Air Act:					
III	Hazardous Waste authorization:					
C	Overall Observations:					
9	• During the inspection cor	cern person is not available.	So the information regarding			
	consents is not provided.	-				
	• The industry is carrying out job work (dry process) like splitting, shaving, pressing, oil used for shining (manually applied & sun dried). The shaving waste is sent to leather board makers. No effluent generation in this process.					
10.	Inspecting team :					
	Sh. R.Rajkumar, Sci C, ZO-Bang	galore				
	Dr. H. V. Jigyasu, RA, ZO-Luck	now				
11.	Date of Inspection :23/10/2013					



# INSPECTION REPORT OF M/S ORIENTAL TANNING INDUSTRIES

-		
	General Information & Production Deta	
1.	Name and address of the industry	M/s Oriental Tanning Industries
		5 Block B, 150 ft Road, Jajmau, Kanpur
2.	Name of the occupier/contact person	Sh. Mohamed Mudassir
	with	
	a. Telephone	a.9839450116
	b. Fax	b.
	c. e-mail	c. oriental_123@rediffmail.com
3.	Date/Year of commissioning	1990
4.	Type of tanning	Vegetable Tanning
5.	Detail of tanning & associated processes	Presently the unit is not carrying out tanning process.
		Job Work: Shaving, pressing, Measuring & oiling
		(shiner)
6.	Installed processing capacity	No. of hides processed / day - 35 hides/day
7.	Present production status	No. of hides processed / day - 35 hides/day
C	Overall Observations:	
^		
8.	treatment facility. The unit is in pro-	for the tanning process for not having proper primary process of installation of new PETP. the job work (dry process), where no effluent is being
	<ul><li>treatment facility. The unit is in pro</li><li>Presently the unit is carrying out</li></ul>	ocess of installation of new PETP.
	<ul> <li>treatment facility. The unit is in pro-</li> <li>Presently the unit is carrying out generated.</li> <li><i>Recommendations/Suggestion:</i></li> <li>Unit should inform to CPCB after ensure proper maintenance of r discharge, energy meter, chemica waste generation, storage &amp; disposed in the storage of t</li></ul>	becess of installation of new PETP. the job work (dry process), where no effluent is being er starting tanning process (revoking of direction) and ecords/log book for water consumption, wastewate l usage, raw hide purchase, production details, solid al.
	<ul> <li>treatment facility. The unit is in pro-</li> <li>Presently the unit is carrying out generated.</li> <li><i>Recommendations/Suggestion:</i></li> <li>Unit should inform to CPCB after ensure proper maintenance of r discharge, energy meter, chemica waste generation, storage &amp; disposed by the state of the store of th</li></ul>	becess of installation of new PETP. the job work (dry process), where no effluent is being er starting tanning process (revoking of direction) and ecords/log book for water consumption, wastewate l usage, raw hide purchase, production details, solid al.



#### **INSPECTION REPORT OF M/S NAAZ LEATHER FINISHERS**

C	General Information & Production Deta	ils
1.	Name and address of the industry	M/s Naaz Leather Finishers
		14 A, 150 ft Road, Jajmau, Kanpur
2.	Name of the occupier/contact person	Sh. Raeesh Iqubal
	with	
	a. Telephone	a.9839030355
	b. e-mail	b. naazexportinc@gmail.com
3.	Date/Year of commissioning	1992
4.	Type of tanning	Chrome Tanning
5.	Detail of tanning & associated processes	Raw to finish
6.	Installed processing capacity	No. of hides processed / day - 50 hides/day
		Type of hides / skin ( specify)- Buffalo
		Hide processed - 1.25 tonnes/day
7.	Present production status	No. of hides processed / day - 50 hides/day
		Type of hides / skin ( specify)- Buffalo
		Hide processed - 1.25 tonnes/day
8.	Direction Compliance & other observation	ns.

Direction Compliance & other observations. ð.

Based on the inspection, carried out on November 29, 2012, directions/Notice under section 5 of EP Act, 1986 dated April 5, 2013 was issued to the unit to submit the reply. Based on the reply the unit is issued direction dated July 9, 2013 to implement the following recommendations. The compliance status of the recommendations/directions is as follows

Directions	Compliance status		
Construction of exclusive drain line for carrying	Not complied. Industry is having temporary		
chrome liquor to CRP	flexible pipe to carry the effluent to CRP.		
Periodic cleaning of settling tank & SDB	Complied.		
Acoustic enclosure for DG set	Complied.		
Segregation of the effluent streams containing So for no segregation of high TDS stream			
High TDS	carried out.		
	The unit initiated the following steps:		
	• Brushing & dusting of raw hide is being		
	carried out to remove the salt.		
	• Installation of Salt recovery system has		
	been completed and yet to start the trail		
	run.		

Display Board on the gate	Complied.
Improvement of PETP so as to comply with	
standards to discharge to CETP.	
To comply above conditions within 2 months	Partially complied.

Observations:

- Unit is not having proper storage area/facility for fleshing & shaving waste.
- Unit is not having proper storage facility for ETP sludge and not having log book for waste generation, storage and disposal.
- Unit is not maintaining proper records/log book for chemical consumption, hides purchase and production details.
- Unit is having flexible pipeline in the PETP.
- During inspection fresh water leakages was observed.
- Sample was collected during the inspection. Analysis result is shown below.

	-		TSS	Cr(T)(mg/l)				
			(mg/l)					
	Collection tank cum	6.77	245	5.9				
	Equalisation tank							
	Final effluent from	7.72	232	17.9				
	primary treatment plant							
	Standard	6.5 - 9.0	Below 600	45				
0	Recommendations/Suggestion:		•		_			
9.	• Unit should have permanent	pipeline syste	em in the PETF	rather than havi	ng flexible pipe.			
	• Unit should maintain proper	records/log	book for chem	nical consumptio	n, hides purchase			
	and production details.	-		-	-			
	• Unit should have proper storage facility for ETP sludge, shavings waste etc and to							
	maintain records/log book for generation, storage and disposal.							
	<ul> <li>Unit should avoid fresh water leakages.</li> </ul>							
	<ul> <li>Housekeeping should be improved.</li> </ul>							
	<ul> <li>Unit should comply all direct</li> </ul>		above point 1	า				
	• Onit should comply an uncer							
10.	Inspecting team :							
	Sh. P. K. Mishra Sc D, ZO Lucknow	,						
	Dr. R. K. Singh Sc C, ZO Lucknow							
	Sh. R.Rajkumar, Sci C, ZO Bangalore							
	Dr. H. V. Jigyasu, RA, ZO Lucknow							
11.	Date of Inspection :23/10/2013							
	*							



#### **INSPECTION REPORT OF M/S NAZ TANNERS**

C	General Information & Production Deta	vils		
1.	Name and address of the industry	M/s Naz Tanners		
		111-E/5, 150 ft Road, Jajm	au, Kanpur	
2.	Name of the occupier/contact person	Sh. Zafar Alam		
with				
	a. Telephone	a.9839086060		
3.	Date/Year of commissioning	1996		
4.	Type of tanning	NA		
5.	Detail of tanning & associated processes	Dog Chew		
		Bleached split (soft inner la	ayer of raw hide) is dried to	
		make dog chew		
6.	Installed processing capacity	20 split		
7.	Present production status	20 split		
8	Major raw materials consumed	Chemicals	Quantity / batch	
		Boric acid	500 gm	
		Hydrogen peroxide	5 kg	

#### 9. Overall Observations:

- UPPCB has issued closure direction to the unit to stop the tanning process in 2009. Presently no tanning process is carried out. The unit is making the dog chew, where no consent is available for production of dog chew.
- The unit has not uninstalled/removed the tanning drums (5nos) & paddles (7 nos).

#### 10. Recommendations/Suggestion:

- The unit shall remove/dismantle all the tanning drums & paddles.
- The unit should obtain proper consent from UPPCB for production of dog chew and ensure no effluent being generated from this process.

11.	Inspecting team :			
	Sh. R.Rajkumar, Sci C, ZO-Bangalore			
	Dr. H. V. Jigyasu, RA, ZO-Lucknow			
12.	Date of Inspection :23/10/2013			



#### **INSPECTION REPORT OF M/S NAZ TRADERS**

C	General Information & Production Deta			
1.	Name and address of the industry	M/s Naz Traders		
		111 E/5, 150 ft Road, Jajm	nau, Kanpur	
2.	Name of the occupier/contact person	Sh. Zafar Alam		
	with			
	a. Telephone	a.9839086060		
	b. Fax			
	c. e-mail			
3.	Date/Year of commissioning	1996		
4.	Type of tanning	NA		
5.	Detail of tanning & associated processes	Wet blue to finish		
		(Only fat liquoring)		
6.	Installed processing capacity	No. of hides processed / da	ay - 5 hides/day	
		ify)- Buffalo		
7.	Present production status	No. of hides processed / da	ay - 5 hides/day	
		Type of hides / skin ( specify)- Buffalo		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch	
		Fat liquor	15	
9.	Status of fresh water metering system	-	ed at intake (bore well) of	
	(Available)	the unit.		
10	Source of fresh water	Bore well :1 No.		
	Water Consumption	5 KLD		
	$(M^3/day)$			
C	Waste Water – Generation & Treatment			
11	Wastewater generation	3.5 KLD		
	$(M^3/day)$			
12.	Description of Effluent Management :	NA		
13.	Design detail for Primary Treatment P	lant		

	Capacity of Chrome Recovery Plant,CRP (m <sup>3</sup> ) : NA					
	Primary Treatment Plant detail: The effluent is sent for treatment to the M/s Naz Tanners, which is in same compound.					Tanners, which
	Equalization tank:					
	Length : 2 m Width : 1 m Depth : 3 m					
	<u>Clarifier</u> Length : 2 m Width : 1 m Depth : 3 m Cone : 0.5 m					
	Sludge Drying Beds (area in	sq m	): 3 m x 2 m x 1m (2 no	os)		
14.	Design detail for Secondary	y Trea	atment Plant: Discharge	ed T	To CETP	
15.	Effluent characteristics (Prir was not collected.	nary):	At time of inspection n	o ef	fluent was generate	ed. So sample
¢	Air Pollution – Emission So	ources	& Control			
16	Sources of air pollution	Boil	er	Generator		or
	Chimney Details	NA		5	5 KVA	
	APC Equipments Provided	NA		Without Acoustic enclosure		closure
17	Fuel Consumption		Type of fuel Diesel		Consumption Details not availab	Used in
18	Management of hazardous w					
10	Type of Wastes	astes	Quantity generated		-	osal
	Chemical sludge from ETP		Details not available		Storage & Disposal	
	Chemical sludge from ETP		Details not available			
¢	Status of validity & complia	nce oj	f consents and authoriz	atio	n	
19.	Consent/Authorization					
Ι	Under Water Act:				Applied for conse	ent
II	Under Air Act:				NA	
III	Hazardous Waste authorizatio	on:			Not having autho	prization

0	Overall Observations: Housekeeping, O&M of ETP, Waste minimisation
20	<ul> <li>The effluent generated from this unit is sent to the sister cosine M/s Naz Tanners for pretreatment before discharge to CETP, located in same compound for which no permission letter is available from UPPCB and more over M/s Naz Tanners is closed by UPPCB.</li> <li>Unit is having 2 drums of sizes 8 x 6ft.</li> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>No records/log book is maintained for chemical consumption in ETP &amp; process, hides purchase, production details, waste sludge generation &amp; disposal, water consumption &amp; effluent discharge.</li> <li>Unit has applied for renewal of consent under Water Act, 1974 &amp; Air Act, 1981 and authorization for Hazardous Waste.</li> </ul>
0	Recommendations/Suggestion:
21.	<ul> <li>The unit should get proper permission from UPPCB for treatment of effluent in the sister cosine M/s Naz Tanner.</li> <li>Environmental data display board should be installed on the main gate of the unit.</li> <li>Proper records/log book is to be maintained for chemical consumption in ETP &amp; process, hides purchase, production details, waste sludge generation &amp; disposal, water consumption &amp; effluent discharge.</li> <li>Unit should get consent under Water Act, 1974 &amp; Air Act, 1981 and authorization for Hazardous Waste from UPPCB.</li> </ul>
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :23/10/2013



# INSPECTION REPORT OF M/S EVEREST TANNERY PVT. LTD.,

	General Information					
1.	Name and address of the industry			st Tannery Pvt. Limited	Ļ	
			184 A, Wazidpur,			
<u> </u>	N. C.1		Jajmau, Ku			
2.	Name of the occupier/contact person		Sn. Manso	ori Ahmed		
	with		983960402	51		
	a. Telephone b. Fax		983900402	21		
	c. e-mail		0512-2465	3722		
	c. c man			satyem.net.in		
3.	Date/Year of commis	ssioning	1994	surgennieenn		
<u>,</u> 1.	Type of tanning	ssioning	NA			
5.	Detail of tanning & a	associated processes		nish & leather goods ma	king	
			Embossing	-		
6.	Installed processing	capacity		es processed/day: 75 M	Т	
7.	Present production st	tatus	No. of hide	es processed / day: 75 N	ИТ	
8	Major raw materials		No details			
9.	Status of fresh water	metering system	Available	at bore well		
10	Source of fresh water	r	Bore well-	Ι		
	Water Consumption		Domestic:	4.8 KLD (including co	ooling tower)	
C	Waste Water – Gen	eration & Treatment	·			
11	Wastewater generation	on	Domestic:	1.8 KLD		
12.	Description of Efflu	uent Management				
	-	regation practiced: N	A			
13.	Design detail for Dr	imary Treatment Pl	lont. NA			
15.	Design detail for FT	imary freatment r	ant: N.A			
14.	Design detail for Se	condary Treatment	Plant: N.A.			
15.	Effluent characteristi	cs: Generated domes	tic waste is c	lisposed in soak pit		
C	Air Pollution – Emi	ssion Sources & Cor	ntrol			
<b>•</b> 16	Sources of air	-		Buffing		
10	pollution	Thermic fluid Heating Boiler 400000 Kcal/hr				
	Chimney 100 mts			Collected in bag filter	and made as cake.	
	Details			which is used as boile		
	APC Equipment's	Dust Collector				
	Provided	Dust Concetor				
		Capacity		Į		
	Details of D.G Set	Capacity		Provided Acoustic	Fuel used & its	

		500 KVA (2 nos)	No acous	stic enclosure	Diesel – 70 lph
		Old ship generator			
17	Management of hazardous wastes and other solid waste generation				
	Type of Wastes	Quantity generated		Storage & D	isposal
	Buffing waste	Collected in bag filter and	nade as cake,	which is used	as boiler fuel.
	Member of TSDF (Ye	es/No): NA			
Û	Status of validity & c	ompliance of consents and	authorization		
18.	Consent/Authorization		-		
Ι	Under Water Act		31.12.14		
II	Under Air Act		31.12.14		
III	Authorization for han	dling of Hazardous Waste	NA		
G	Overall Observations				
	<ul> <li>opened room v</li> <li>Unit is carryin be generated b to the domesti</li> <li>In the spray pa of cleaning, w</li> <li>Unit has no ac</li> <li>Unit is not painting/coatin</li> </ul>	ainting chamber solid waste hich quantity and disposal ar count/generation quantity fo maintaining proper reco ng, hide processing and prod	eess, in which one ton apprx will be remov e also not give r cooling towe ord/logbook	small quantity . 10 lits genera red from the w en. er blow down.	of waste water will ation), which is sent call chamber at time
Û	Recommendations/S	uggestion:			
20.	<ul> <li>Unit should ta blow down an need to be take</li> <li>Unit should ha</li> <li>Unit should painting/coatin</li> <li>Unit should gainting/coating</li> </ul>	ke necessary study/calculati nd wastewater generation fr en for treatment with permiss we closed sound proof room maintaining proper recor- ng, hide processing and prod get Hazardous waste autho spray painting is hazardou	om spray pair sion from UPP /acoustic enclo rd/log book uction detail. risation from	nting, accordin PCB. osure for the di for chemical UPPCB, sind	iesel generator. I usage including ce the solid waste
21.	5	, Sc 'C', ZO-Bangalore mar Sharma R.A, ZO-Luckr	low		
22.	Date of Inspection: 24	10.2013			



## INSPECTION REPORT OF M/S MD. WASEEM LEATHER

Û	General Information & Production Deta	ils
1.	Name and address of the industry	M/s Md. Waseem Leather 332/308, Bhalla Estate, Jajmau, Kanpur
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Mohamad Waseem 9838711313
3.	Date/Year of commissioning	2005
4.	Type of tanning	NA
5.	Detail of tanning & associated processes	Fat liquoring of Split leather is carried out
6.	Installed processing capacity	No. of hides processed/day:5 hide/day Type of hide/skin (specify): split Leather
7.	Present production status	No. of hides processed/day:5 hide/day Type of hide/skin (specify): split Leather
8	Major raw materials consumed	ChemicalsQuantity in kg/batchSynthetic oil and castor oil10 Kg/batch
9.	Status of fresh water metering system	<ul> <li>Water meter installed at intake (bore well) of the unit.</li> <li>Water meter installed at final outlet of PETP.</li> </ul>
10	Source of fresh water	Bore well-I
	Water Consumption	3-4 KLD
0	Waste Water – Generation & Treatment	
11	Wastewater generation	2.5 KLD
12.	<b>Description of Effluent Management :</b> Whether effluent segregation practiced: N	
13.	Design detail for Primary Treatment Pl	ant

	Capacity of Chrome Recovery Plant (CRP): NA					
	• Primary Treatment Plant detail:					
	Collection cum equalization tank:					
	<u>Conection</u> cum equ		<u></u>			
	Length :1.53 m					
	Width : 1.53 m Depth : 2.15 m					
	Depui . 2.15 m					
	<u>Clarifier:</u> 1.53x1.53	8x1.61				
	Length: 1.53 m					
	Width : 1.53 m					
	Depth : 1.15 m					
	Conical depth: 1.15	m				
	Sludge Drying Bed	<u>s</u> : 1.2m x 1.2	2m x 0.75 m			
14.	Design detail for S	econdary Tro	eatment Plant: Discharge	e to C	ETP	
15.	Effluent character	istics:				
		CCI .				
	1		he PETP. So sampling is r	-	antity of effluent is not available rried out.	
0	Air Pollution – Em	ission Source	es & Control -N.A.			
16	Sources of air pollution	BOILER:		GEN	NERATOR:	
	NA					
17	Fuel Consumption	in;	NA			
18	Management of haz	ardous wastes	s and other solid waste gen	neratio	on	
	Type of Wastes		Quantity generated		Storage & Disposal	
	Sludge from PETP		As per the inform		No storage facility. Disposed to	
	Shaving waste		provided by the unit sludge is being gener		leather board makers	
	Shaving waste			fiber		
				from		
			oiling & milling.			
				about		
			quantity.			

	Member of TSDF (Yes/No): NA					
0	Status of validity & compliance of consents and authorization					
19.	Consent/Authorization					
Ι	Under Water Act	31.12.13				
II	Under Air Act	NA				
III	Authorization for handling of Hazardous Waste	NA				
٥	Overall Observations:					
20	• Environmental data display board not installed	l on the main gate of the unit.				
	<ul> <li>Unit is having 2 drums in which 1 drum used for milling of sizes 8 x 6 ft.</li> <li>Log book for the chemical consumption in PE</li> </ul>	for oiling of sizes 8 x 8 ft, and another drum				
	was maintained. Water meter (mechanical flow let of PETP.	w meter) installed at the intake and final out				
	• Unit is not maintaining proper records/log boo and production details.	k for chemical consumption, hides purchase				
	• Unit is not having proper storage area/fac records/logbook is being maintained for genera	•				
	• Housekeeping is not satisfactory.					
٥	Recommendations/Suggestion:					
21.	<ul> <li>Environmental data display board should be in</li> <li>Unit should maintain proper records/log book and production details.</li> <li>Unit should have proper storage area/facilit records need to be maintained for generation, s</li> <li>Housekeeping should be improved.</li> </ul>	the for chemical consumption, hides purchase by for solid & shavings waste and proper				
22.	Inspecting team: Sh Raj Kumar, Sc 'C', ZO-Bangalore Dr Rajnish Kumar Sharma R.A, ZO-Lucknow					
23.	Date of Inspection: 24.10.2013					

	INSPECTION	<b>REPORT OF M/S MUGHIZ TANNERS</b>
C	General Information & Production Deta	ils
1.	Name and address of the industry	M/s Mughiz Tanners 332/318, Bhalla Estate, Jajmau, Knapur
2.	Name of the occupier/contact person with a. Telephone	Sh. Farahan 969577710
3.	Date/Year of commissioning	1985
4.	Type of tanning	NA
5.	Detail of tanning & associated processes	Oiling, dying & shaving of Split leather
6.	Installed processing capacity	No. of hides processed/day: 15 hides/day Type of hide/skin (specify): Buffalo
7.	Present production status	No. of hides processed/day: 15 hides/day Type of hide/skin (specify): Buffalo
8	Major raw materials consumed	ChemicalsQuantity in kg/batchSynthetic, fish oil, myrobalan, Wattle20 -25Chest nut1
9.	Status of fresh water metering system (Available / Not available; if yes detail of metering system)	<ul> <li>Water meter installed at intake (bore well) of the unit.</li> <li>Water meter installed at final outlet of PETP.</li> </ul>
10	Source of fresh water	Bore well – 1 nos.
	Water Consumption	14 KLD
S	· •	1
11	Wastewater generation	12 KLD
12.	<b>Description of Effluent Management:</b> N Whether effluent segregation practiced: N	

1	Design detail for Primary Treatment Plant					
	• Capacity of Chrome Recovery Plant (CRP): NA					
	Primary Treatment Plant detail: <u>Collection_cum equalization tank:</u>					
	Length : 7.5 ft Width : 6.5 ft Depth : 12 ft					
	Clarifier:					
	Length: 7.5 ft Width: 6.5 ft Depth: 3 ft Conical depth: 4 ft Sludge Drying Bed		s)			
1.4					FTD	
14.	Design detail for 8	becondary Trea	tment Plant: Disch	arge to C	EIP	
15.	Effluent characteristics:					
1						
	-		vas generated and su PETP. So sampling	-	uantity of effluent is not available rried out.	
•	-	nk to operate the	PETP. So sampling	-	•	
<b>0</b> 16	in the collection tar	nk to operate the	PETP. So sampling	is not ca	•	
	in the collection tar Air Pollution – En Sources of air	nk to operate the	PETP. So sampling	is not ca	rried out.	
	in the collection tar Air Pollution – En Sources of air pollution	nk to operate the nission Sources BOILER:	PETP. So sampling	is not ca	rried out.	
16	in the collection tar <i>Air Pollution – En</i> Sources of air pollution NA Fuel Consumption	nk to operate the nission Sources BOILER:	PETP. So sampling	is not ca	rried out. NERATOR:	
16 17	in the collection tar <i>Air Pollution – En</i> Sources of air pollution NA Fuel Consumption	nk to operate the nission Sources BOILER:	PETP. So sampling & <i>Control</i> NA	is not ca GEI	rried out. NERATOR:	
16 17	in the collection tar <i>Air Pollution – En</i> Sources of air pollution NA Fuel Consumption Management of haz	nk to operate the nission Sources BOILER:	PETP. So sampling & <i>Control</i> NA und other solid waste	is not ca GEI	nried out. NERATOR:	
16 17	in the collection tar <i>Air Pollution – En</i> Sources of air pollution NA Fuel Consumption Management of haz Type of Wastes • Chemical	nk to operate the <i>nission Sources</i> BOILER: 1 zardous wastes a	PETP. So sampling & Control NA and other solid waste Quantity generated	is not ca GEI	nried out. NERATOR: on Storage & Disposal No storage facility and no	
16 17	in the collection tar <i>Air Pollution – En</i> Sources of air pollution NA Fuel Consumption Management of haz Type of Wastes • Chemical ETP	k to operate the <i>nission Sources</i> BOILER: 2 2 2 2 3 1 2 2 2 3 1 2 2 3 1 2 2 3 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	PETP. So sampling & Control NA and other solid waste Quantity generated	is not ca GEI	nried out. NERATOR: on Storage & Disposal No storage facility and no information about disposal No storage facility and disposed	
16 17	in the collection tar <i>Air Pollution – En</i> Sources of air pollution NA Fuel Consumption Management of haz Type of Wastes • Chemical ETP • Shavings Member of TSDF :	No	PETP. So sampling & Control NA and other solid waste Quantity generated No data for gene	is not ca GEI	nried out. NERATOR: on Storage & Disposal No storage facility and no information about disposal No storage facility and disposed	
16 17 18	in the collection tar <i>Air Pollution – En</i> Sources of air pollution NA Fuel Consumption Management of haz Type of Wastes • Chemical ETP • Shavings Member of TSDF : <i>Status of validity &amp;</i> Consent/Authorizat	No beta from the	PETP. So sampling & Control NA and other solid waste Quantity generated	is not ca GEI	nried out. NERATOR: on Storage & Disposal No storage facility and no information about disposal No storage facility and disposed	
16 17 18 18 19. 19.	in the collection tar <i>Air Pollution – En</i> Sources of air pollution NA Fuel Consumption Management of haz Type of Wastes • Chemical ETP • Shavings Member of TSDF : <i>Status of validity &amp;</i> Consent/Authorizat Under Water Act	No beta from the	PETP. So sampling         & Control         NA         and other solid waste         Quantity generated         No data for gene <i>f</i> consents and author	is not ca GEI generation ration.	nried out. NERATOR: on Storage & Disposal No storage facility and no information about disposal No storage facility and disposed	
16 17 18 19.	in the collection tar <i>Air Pollution – En</i> Sources of air pollution NA Fuel Consumption Management of haz Type of Wastes • Chemical ETP • Shavings Member of TSDF : <i>Status of validity &amp;</i> Consent/Authorizat	hk to operate the nission Sources BOILER: 2 2 2 2 2 2 2 2 3 1 2 2 2 2 2 3 1 2 2 2 3 1 2 2 2 3 1 2 3 1 2 2 3 1 2 1 2 2 3 1 2 2 3 1 2 3 1 2 3 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	PETP. So sampling         & Control         NA         and other solid waste         Quantity generated         No data for gene <i>f</i> consents and author	is not ca GEI generation ration.	nveration on Storage & Disposal No storage facility and no information about disposal No storage facility and disposed to leather board makers.	

0	Overall Observations:
20	• Environmental data display board not installed on the main gate of the unit.
	<ul> <li>Unit is having 7 drums in which 3 drums used for oiling of sizes 8 x 6 ft, 2 drums for milling of sizes 8 x 7 ft. and 2 new drums which is in trail run of sizes 8 x 10 ft.</li> <li>Log book for the chemical consumption in PETP water consumption &amp; effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out</li> </ul>
	let of PETP.
	• Unit is not maintaining proper records/log book for chemical consumption, hides purchase and production details.
	• Unit is not having proper storage area/facility for PETP sludge, and shavings waste and no records/logbook is being maintained for generation, storage and disposal.
	• Unit is not member of TSDF and have not information about disposal of PETP sludge.
	• Unit has applied for renewal of consent under Water Act & Air Act.
	• Unit is not having/applied for authorization for Hazardous Waste.
	• Housekeeping is not satisfactory.
٥	Recommendations/Suggestion:
21.	• Environmental data display board should be installed on the main gate of the unit.
	• Unit should maintain proper records/log book for chemical consumption, hides purchase and production details.
	• Unit should have proper storage area/facility for PETP sludge, and shavings waste and proper records need to be maintained for generation, storage and disposal.
	• Unit should ensure proper disposal of the PETP sludge.
	• Unit should obtain valid consent under water Act from UPPCB.
	• Unit should apply/obtain authorization for Hazardous Waste from UPPCB.
	Housekeeping should be improved.
22.	Inspecting team:
	Sh Raj Kumar, Sc 'C', ZO-Bangalore Dr Rajnish Kumar Sharma, R.A, ZO-Lucknow
23.	Date of Inspection: 24.10.2013



# **INSPECTION REPORT OF M/S ROSHAN & COMPANY**

(	gpdb				
	General Information & Production Deta				
1.	1.Name and address of the industryM/s Roshan & Company				
		332/317, Bhalla Estate,			
		Jajmau, Knapur			
2.	Name of the occupier/contact person with	r/contact person Sh. Shakkat Ali			
	a. Telephone b.	9336100689			
3.	Date/Year of commissioning	2005			
4.	Type of tanning	Vegetable Tanning			
5.	Detail of tanning & associated processes	Raw hide to semi finish			
6.	Installed processing capacity	No. of hides processed/day: 5 hides/day			
		Type of hide/skin (specia	fy): Buffalo Head		
7.	Present production status	No. of hides processed/day:5 hide/day Type of hide/skin (specify): Buffalo Head			
8	Major raw materials consumed				
		Chemicals	Quantity in kg/batch		
		Lime	25 Kg/125 head hide		
		Synthetic, semi-	25-30 Kg/batch		
		synthetic, vegetable, fish oil, myrobalan,			
		GS powder,			
		Wattle			
		Chest nut			
		Harra, Bark, Salt, sugar	5-6 Kg/Batch (each)		
9.	Status of fresh water metering system	• Water meter installed at intake (bore well) of			
	(Available / Not available; if yes detail	the unit.			
	of metering system)	• Water meter insta	alled at final outlet of PETP.		
10	Source of fresh water	Bore well-I			
	Water Consumption	4.5 KLD			

	Waste Water – Ger	neration & Tre					
11	Wastewater generat	tion	3 KLD				
12.	Design detail for Primary Treatment Plant N.A.						
	• Capacity of Chrome Recovery Plant (CRP): NA						
• Primary Treatment Plant detail:							
	Collection cum equalization tank:						
	Length : 8 ft Width : 9 ft Depth : 15 ft						
	<u>Clarifier:</u>	<u>Clarifier:</u>					
	Length: 8 ft Width: 9 ft Depth: 3 ft Conical depth:4 ft <u>Sludge Drying Beds</u> : 4 x 3 ft (2nos)						
13.	Design detail for Secondary Treatment Plant: Discharge to CETP						
S	Air Pollution – Emission Sources & Control -N.A.						
14	Sources of air pollution	BOILER: NA	A				
	Details of D.G Set	Details of D.G Set		1 2		vided Acoustic enclosure	
			15 KVA	No	ot provided		
15	Fuel Consumption	in;	Type of fuel	Co	onsumption	Used in	
	DG set Not in use						
16	Management of hazardous wastes and other solid waste generation						
	Type of Wastes     Quantity generated     Storage & Disposal				sposal		
	Chemical     ETP	sludge from	Data not available		No storage facility. Disposed to agarbatti producers		
Member of TSDF (Yes/No): Membership No.:					1		
C	Status of validity &	compliance o	f consents and aut	horization	ı		
17.	Consent/Authorization						
	Under Water Act Under Air Act			Applied			
				Applied NA			
	Under Am Act			Applica	-		

0	Overall Observations:			
18	• Environmental data display board not installed on the main gate of the unit.			
	• Unit is having 3 drums of sizes 8 x 67 ft used for vegetable tanning, oiling, millimg and 36			
	soak pit 6.3 x 6.3 x 7.5 ft.			
	• Unit has not provided storage facility for the sludge generated from PETP, soak pits,			
	which is sent to the agarbatti makers and no records/log book is being maintained for generation, storage and disposal.			
	• Log book for the chemical consumption in ETP, water consumption & effluent discharge			
	was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP.			
	• Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details.			
	• Unit has applied for renewal of consent under Water Act, 1974 & Air Act, 1981.			
	• Housekeeping is not satisfactory.			
0	Recommendations/Suggestion:			
19.	• Environmental data display board not installed on the main gate of the unit.			
	• Unit should provide storage facility for the sludge generated from PETP, soak pits and records/log book is to be maintained for generation, storage and disposal.			
	• Unit should maintain proper records/log book for chemical consumption, hides purchase and production details.			
	• Unit should obtain consent under Water Act, 1974 & Air Act, 1981 from UPPCB.			
	• Housekeeping is not satisfactory.			
20.	Inspecting team:			
	Sh R. Raj Kumar, Sc 'C', ZO-Bangalore			
	Dr Rajnish Kumar Sharma R.A, ZO-Lucknow			
21.	ate of Inspection: 24.10.2013			
L				



## INSPECTION REPORT OF M/S AMAN TANNERS (UNIT – 2)

<ul> <li>General Information &amp; Production Details</li> <li>Name and address of the industry</li> <li>M/S Aman Tanners, Unit-2 104-90a (17-A), Sanjay Nagar, 150 Ft. Road, Jajmau, Kanpur</li> <li>Overall Observations:</li> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>The unit was issued closure order by UPPCB on 28.01.2013 based on inspecti unit by UPPCB officials dated 09.12.2010.</li> <li>UPPCB revoke consent order on 06.07.2011 applied by the unit and directed unit close its operation.</li> <li>Further, closure order of the unit was revoked on 02.04.2013 by UPPCB, but as unit has not started its operation and during inspection, unit was not in operation.</li> <li>Inspecting team :</li> </ul>					
<ul> <li>Overall Observations:         <ul> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>The unit was issued closure order by UPPCB on 28.01.2013 based on inspecti unit by UPPCB officials dated 09.12.2010.</li> <li>UPPCB revoke consent order on 06.07.2011 applied by the unit and directed unit close its operation.</li> <li>Further, closure order of the unit was revoked on 02.04.2013 by UPPCB, but as unit has not started its operation and during inspection, unit was not in operation.</li> </ul> </li> </ul>					
<ul> <li>Overall Observations:         <ul> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>The unit was issued closure order by UPPCB on 28.01.2013 based on inspecti unit by UPPCB officials dated 09.12.2010.</li> <li>UPPCB revoke consent order on 06.07.2011 applied by the unit and directed unit close its operation.</li> <li>Further, closure order of the unit was revoked on 02.04.2013 by UPPCB, but as unit has not started its operation and during inspection, unit was not in operation.</li> </ul> </li> </ul>					
<ul> <li>Overall Observations:</li> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>The unit was issued closure order by UPPCB on 28.01.2013 based on inspecti unit by UPPCB officials dated 09.12.2010.</li> <li>UPPCB revoke consent order on 06.07.2011 applied by the unit and directed unit close its operation.</li> <li>Further, closure order of the unit was revoked on 02.04.2013 by UPPCB, but as unit has not started its operation and during inspection, unit was not in operation.</li> </ul>					
<ul> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>The unit was issued closure order by UPPCB on 28.01.2013 based on inspecti unit by UPPCB officials dated 09.12.2010.</li> <li>UPPCB revoke consent order on 06.07.2011 applied by the unit and directed unit close its operation.</li> <li>Further, closure order of the unit was revoked on 02.04.2013 by UPPCB, but as unit has not started its operation and during inspection, unit was not in operation.</li> </ul>					
<ul> <li>The unit was issued closure order by UPPCB on 28.01.2013 based on inspecti unit by UPPCB officials dated 09.12.2010.</li> <li>UPPCB revoke consent order on 06.07.2011 applied by the unit and directed unit close its operation.</li> <li>Further, closure order of the unit was revoked on 02.04.2013 by UPPCB, but as unit has not started its operation and during inspection, unit was not in operation.</li> </ul>					
<ul> <li>unit by UPPCB officials dated 09.12.2010.</li> <li>UPPCB revoke consent order on 06.07.2011 applied by the unit and directed unit close its operation.</li> <li>Further, closure order of the unit was revoked on 02.04.2013 by UPPCB, but as unit has not started its operation and during inspection, unit was not in operation.</li> </ul>					
<ul> <li>UPPCB revoke consent order on 06.07.2011 applied by the unit and directed unit close its operation.</li> <li>Further, closure order of the unit was revoked on 02.04.2013 by UPPCB, but as unit has not started its operation and during inspection, unit was not in operation.</li> </ul>	on of the				
<ul> <li>close its operation.</li> <li>Further, closure order of the unit was revoked on 02.04.2013 by UPPCB, but as unit has not started its operation and during inspection, unit was not in operation.</li> </ul>					
• Further, closure order of the unit was revoked on 02.04.2013 by UPPCB, but as unit has not started its operation and during inspection, unit was not in operation.	to remain				
unit has not started its operation and during inspection, unit was not in operation.					
	reported,				
3. Inspecting team :					
inspecting team t					
Sh R. Raj Kumar, Sc 'C', ZO-Bangalore					
Dr Rajnish Kumar Sharma R.A, ZO-Lucknow					
4. Date of Inspection :24/10/2013					



## INSPECTION REPORT ON M/S PENJA TANNING INDUSTRIES

	<u>d</u> júl							
	General Information & Production Detail	ils						
1.	Name and address of the industry	M/s Penja Tanning Industries 104/90 A(23A), Sanjay Nagar, Wazidpur, Jajmau, Knapur						
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Mohamod Shanawaz 9839434422 penzatan@gmail.com						
3.	Date/Year of commissioning	1989						
4.	Type of tanning	Chrome tanning						
5.	Detail of tanning & associated processes	Raw to finished						
6.	Installed processing capacity	No. of hides processed	/day:180 hides					
		Type of hide/skin (specify): Buffalo						
		Hides processed(Ton/day): 9						
7.	Present production status	No. of hides processed/day:180 hides						
		Type of hide/skin (spe Hides processed(Ton/c						
8	Major raw materials consumed							
0	Major raw materials consumed	Chemicals	Quantity in kg/batch					
		Sodium sulphide	25					
		Lime	50					
		Sodium Bi-sulphate	8					
		Sulphuric acid	36					
		Common salt	36					
		BCS (fresh)	108					
		Recovered chrome (liquid)	70 liter					
		Recovered chrome (solid)	17kg					
		Synthetic, semi-	36					
		synthetic, vegetable,	36					
		fish oil, myrobalan,	36					
		GS powder, Wattle	36					
		Chest nut						

9.	Status of fresh water metering system (Available)	<ul> <li>Water meter installed at intake (bore well) of the unit.</li> <li>Water meter installed at final outlet of PETP.</li> <li>Magnetic flow meter</li> </ul>					
10	Source of fresh water Water Consumption	bore well – 1no 150 KLD					
	water Consumption	150 KLD					
	• Waste Water – Generation & Treatment						
11	Wastewater generation	<ul><li>Chrome bearing stream: 3 KLD</li><li>Non-chrome bearing stream: 126KLD</li></ul>					
12.	Description of Effluent Management						
	Whether effluent segregation practiced: Par High TDS effluent and other process effluen effluent is segregated.						
13.	Design detail for Primary Treatment Plant						
	<ul><li>Capacity of Chrome Recovery Plant</li><li>Primary Treatment Plant detail:</li></ul>	(CRP): 5 KLD					
	Collection cum equalization tank:m <sup>3</sup>						
	Length :6m Width :6m Depth :5m						
	In addition two collection tank is available:	3 x 3 x 3 ft					
	<u>Clarifier:</u> m <sup>3</sup>						
	Length: 3.024 m Width: 3.024 m Depth: 2.13 m Conical depth: 1.5 m						
	New circular clarifier capacity of 250 KL ha	as been installed, yet to connect the pipelines.					
	Sludge Drying Beds: 2 m x 3 m (3 nos)						
14.	Design detail for Secondary Treatment P	lant: Discharge to CETP					

15.	Effluent	characteristics(Primary)								
	Sl No. Location of sample		pН	TSS		Cr (T)	TDS			
	STIT.	Location of Sample	P	(mg/l)		(mg/l)	(mg/l)			
	01	Inlet of collection cum Equalization tank	9.85			88	7316			
	02	Outlet of primary settling tank	7.67			64	7790			
	03	Standard	6.5 - 9.0	Below	7 <b>600</b>	45				
	• Ain Do	llution – Emission Sources d	P. Control							
16		of air pollution BOILER:								
	Details of	of D.G Set	Capacity		Pro	vided Acous	tic enclosure			
	Detuilis		250 KVA (2	nos)		nout acoustic				
17	Fuel Co	nsumption in;	Type of fuel	,		sumption				
	DG set		Diesel		60 lj	oh				
18	Manage	ment of hazardous wastes and		vaste ge						
	Type of	Wastes	Quantity generated			Storage & Disposal				
	• (	Chemical sludge from ETP	110 Kg/day Stored and dispose TSDF							
	• 1	Fleshing, shaving waste	Data not available							
			200 Kg							
	Member	r of TSDF: Ramky & Membe	rship No.: 228	3						
(	Status	of validity & compliance of	consents and	authori	izatio	n				
19.		Authorization								
I		Vater Act			12.13					
II	Under A		ana Wasta		<u>12.13</u> t avail	ahla				
III		zation for handling of Hazard Il Observations:	ous waste	INO	l avali	able				
20		Unit is having 16 drums in wh	nich 8 drums 1	ised for	• tanni	ng of size 9	x 9 ft <i>1</i> drums			
20		For fat liquoring of sizes 10 x								
	I	paddles of size 10 x 8 ft.								
	• 1	Unit has provided dedicated	channel for c	arrying	chro	me wastewa	ter to CRP, in			
	which a channel carrying soak wastewater is also connected near t section.						ar the tanning			
	• (	Unit is not segregating Hig	-			-	•			
		Chrome bearing effluent is be condition for segregation and				-	in the consent			
		During the inspection the					not provided			
	C	distribution system in the set	ttler, while pu	imping	the e	ffluent direc	tly, settling of			
	solids get disturbed, which shows higher value in the outlet. Higher value of T.Cr									

	<ul> <li>shows that the unit is not carrying out proper segregation.</li> <li>Unit has installed new clarifier in which the pipelines are yet to be connected, once it comes to operation the existing clarifier will be removed.</li> <li>Flexible pipeline is provided in the PETP.</li> <li>Unit is not having proper storage area/facility for Fleshing and shavings waste.</li> <li>Log book for the chemical consumption in ETP, water consumption &amp; effluent discharge was maintained. Water meter (magnetic flow meter) installed at the intake and final out let of PETP.</li> <li>Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details.</li> <li>Unit have valid consent under Water Act, 1974 and not having consent under Air Act, 1981.</li> <li>Unit is not having authorization for Hazardous Waste.</li> <li>Unit is having two DG set of capacities 250 KVA each without acoustic enclosure.</li> </ul>
	Housekeeping is not satisfactory.
	<b>3</b> Recommendations/Suggestion:
21.	• Unit should remove the soak effluent carrying channel connecting the chrome effluent channel and ensure proper segregation of chrome bearing waste water alone to CRP.
	• Unit should take necessary steps/modification of PETP to achieve the discharge norms.
	• Unit should segregate high TDS effluent from other stream and ensure proper treatment of it. As per UPPCB condition unit should install salt recovery system.
	• Unit should have with permanent pipeline system rather than flexible pipe in PETP.
	• Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details.
	• Unit should maintain proper records/log book for PETP sludge generation, storage and disposal.
	• Unit should have proper storage area/facility for Fleshing and shavings waste and proper records need to be maintained for disposal.
	• Unit should install acoustic enclosure for the DG sets.
	<ul> <li>Unit should apply/obtain authorization for Hazardous Waste from UPPCB.</li> </ul>
	<ul> <li>Onit should appry/obtain autionzation for frazardous waste from OFFCB.</li> <li>Housekeeping should be improved.</li> </ul>
	riousekeeping should be improved.
22.	Inspecting team:
	Sh Raj Kumar, Sc 'C', ZO-Bangalore Dr Rajnish Kumar Sharma R.A, ZO-Lucknow
23.	Date of Inspection: 24.10.2013



## INSPECTION REPORT OF M/S SEEMA TANNING IND. PVT. LTD.,

		•7					
	General Information & Production Deta	•					
1.	Name and address of the industry	M/s Seema Tanning Ind. Pvt. Ltd.,					
		104/90 A(16), Wazidpur, J	ajmau, Kanpur				
2.	Name of the occupier/contact person	Sh. Rizul Haq					
	with						
	a. Telephone	a.9839084602					
	b. Fax	b.0512-2463809					
	c. e-mail	c. seemaexports@sify.com					
3.	Date/Year of commissioning	1984					
4.	Type of tanning	Chrome & vegetable Tann	ing				
5.	Detail of tanning & associated processes	Raw to finish					
6.	Installed processing capacity	No. of hides processed / da	ay - 50 hides/day				
		Type of hides / skin ( speci	Гуре of hides / skin ( specify)- Buffalo				
		Hide processed (Tonnes /day )-1.5 tonnes/d					
7.	Present production status	No. of hides processed / da	y-50 hides/day				
		Type of hides / skin ( speci	ify)-Buffalo				
		Hide processed (Tonnes /d	ay )-1.5 tonnes/day				
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch				
		Sodium sulphide	25				
		Lime	80				
		Sodium bi-sulphate	4				
		Sulphuric acid	28-30				
		Common salt	90				
		BCS (fresh)	45				
		Recovered chrome	100				
		(liquid)					
		Recovered chrome (solid)	-				
		Fat oil	50				
		fish oil,	5				
		GS Powder	28				
		wattle	35				
		Dye	8-6				

9.	Status of fresh water metering system	• Water meter installed at intake (bore well) of
	(Available)	the unit.
		• Water meter installed at final outlet of PETP.
10	Source of fresh water	Bore well :1 No.
	Water Consumption	Consented 40 KLD
	(M <sup>3</sup> /day)	24-32 KLD as per record
	Waste Water – Generation & Treatment	
11	Wastewater generation	Consented 35 KLD
	$(M^3/day)$	Chrome bearing stream 100 lits
		Non-chrome bearing stream: 20-30 KLD
12.	Description of Effluent Management	
	Whether effluent segregation practiced: P	Partially segregated
	High TDS offlyant and other process offly	ants are not as magneted only Channes bearing offlyant is
		ents are not segregated only Chrome bearing effluent is
	segregated.	
13.	Design detail for Primary Treatment Pl	ant
	Capacity of Chrome Recovery Plant, CRP	$(m^3): 4 KL$
	Primary Treatment Plant detail:	
	Equalization tank:	
	<u> </u>	
	Length: 14 ft	
	Width : 14 ft	
	Depth : 10 ft	
	<u>Clarifier</u>	
	Length: 8 ft	
	width : 8 ft	
	Depth : 6 ft	
	Cone : 4 ft	
	Sludge Drying Beds : 12 x12 (2nos)	
14.	Design detail for Secondary Treatment	Plant: Discharged To CETP

15.	Effluent characteristics( Primary) :								
	S No	Location of	f sample	pН	TSS		Cr (T)		
				(mg/l)			(mg/l)		
	01	Equalisation tank		7.64	30		2.08		
	02	Final efflue	ent from atment plant	8.74	112	3.54			
	03	Standard		6.5 - 9.0	Below	600	45		
G	Air Po	ollution – En	nission Source	es & Control					
16						Genera	tor		
	Chimn Details	ey	50 ft			180 K	VA		
	APC Equipments No APC. Only st Provided					With A	Acoustic encl	osure	
17	Fuel C	onsumption		Type of fuel	Type of fuel Cons		sumption	Used in	
				Coal 20		200	Kg	boiler	
				Diesel		20-22 lph D		DG set	
18	Management of hazardous wastes and other solid waste genera								
	Type of	of Wastes		Quantity ge	nerated	S	torage & Dis	posal	
	Chemi	cal sludge fr	om ETP	27 Kg/day			tored in room SDF	h & disposed to	
	Fleshi	ngs.		70 kg/day	70 kg/day		disposed to glue makers		
	Shavin	0		200 kg/day			No storage facility and disposed		
	Buffin	g					to glue & leather board makers.		
	Memb	er of TSDF	: Ramkey & N	Iembership No	o. 317				
C	Status	of validity &	& compliance	of consents an	d authoriza	tion			
19.	Consen	t/Authorizat	ion						
Ι	Under V	Water Act:				31.	12.2013		
II	Under .	Air Act:				31.	12.2013		
III	Hazard	ous Waste au	uthorization:			Ap	plied for auth	norization	
C	Overa	ll Observatio	ons:						
20	<ul> <li>Unit is having 10 drums of sizes 8 x 6 ft in which 4 drums are used for chrome tanning, 4 drums for vegetable tanning and 2 drums for milling and 8 paddles of size 10 x 8 ft in which 4 paddles are stand by.</li> <li>Unit provided dedicated channel for carrying chrome wastewater to CRP.</li> <li>Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated.</li> </ul>								

	<ul> <li>Unit is not having proper storage area/facility for Fleshing and shavings waste and no records maintained for disposal.</li> <li>Log book for the chemical consumption in ETP, water consumption &amp; effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP.</li> <li>Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details.</li> <li>Unit has not provided any pollution control system for the emission from buffing machine, fugitive emission was observed during inspection.</li> </ul>
	• Fresh water leakage was observed.
	• Unit have valid consent under Water Act, 1974 and Air Act, 1981.
	• Unit has applied for authorization for Hazardous Waste.
	• Housekeeping is not satisfactory.
C	Recommendations/Suggestion:
21.	<ul> <li>Unit should segregate high TDS effluent from other stream and ensure proper treatment of it.</li> <li>Fresh water leakages should be stopped.</li> <li>Proper pollution control device should be attached to the buffing machine to avoid emission.</li> <li>Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details.</li> <li>Unit should maintain proper records/log book for hazardous waste generation, storage and disposal.</li> <li>Unit should have proper storage area/facility for Fleshing, shavings &amp; buffing waste and proper records need to be maintained for disposal.</li> <li>Unit should obtain valid authorization for Hazardous Waste.</li> <li>Housekeeping should be improved.</li> </ul>
22.	Inspecting team :
	Sh. R.Rajkumar, Sci C, ZO-Bangalore
	Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :21/10/2013



## **INSPECTION REPORT OF M/S KHALID LEATHER FINISHERS**

	<b>3</b> General Information & Production L	Details					
1.	Name and address of the industry	M/s Khalid Leather Finishers. 3, Gajjupurwa, Jajmau, Kanpur					
(	Overall Observations:						
2.	<ul> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>No concern person is available in the unit and the gate was found locked.</li> </ul>						
3.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow						
4.	Date of Inspection :25/10/2013						



#### **INSPECTION REPORT OF M/S NEW ERA TANNING CENTER**

	Constant Information & Production Data	.:Ia	
1.	General Information & Production Deta           Name and address of the industry	M/s New Era Tanning Cer	ator
1.	Ivanie and address of the industry	105/100, Gajjupurwa, Kar	
2.	Name of the occupier/contact person	Sh. Nawaz Ahamed	ipui
2.	with	SII. INAWAZ AIIAIIICU	
	a. Telephone	a.9889199447	
3.	Date/Year of commissioning	1999	
4.	Type of tanning	NA	
5.	Detail of tanning & associated processes	Crust to Finish.	
5.	Detail of talling & associated processes	Fat liquoring, dyeing, buff	ing finishing
6.	Installed processing capacity	No. of hides processed / da	
0.	instance processing capacity	rive. or mades processed / d	ay 50 mdes/day
		Type of hides / skin ( spec	ify)- Buffalo
7.	Present production status	No. of hides processed / da	• 7
	r	P	
		Type of hides / skin ( spec	ify)- Buffalo
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sulphuric acid	5
		Synthetic,	18
		semi-synthetic,	24
		Vegetable, fish oil,	18
		myrobalan, GS, Powder	48
		wattle	
		chest nut	60
			18
		Dye & Pigments	24
9.	Status of fresh water metering system	Water meter instal	led at intake (bore well) of
	(Available)	the unit.	
		• Water meter instal	led at final outlet of PETP.
10	Source of fresh water	Bore well :1 No.	
	Water Consumption	20-25 KLD as per record	
		Consented 49 KLD	
	Waste Water – Generation & Treatment	1	
11	Wastewater generation	18 KLD	
12.	<b>Description of Effluent Management</b>		
	Whether effluent segregation practiced: N	NA	

13.	Design	detail for Primary T	[reat	ment Pl	ant						
	_	ty of Chrome Recover									
		y Treatment Plant deta									
		tion Cum Equalization	<u>tank</u>	<u>.</u>							
	-	10.5 ft									
		: 10.5 ft									
	Depth : 12 ft Clarifier										
	Length: 5.5 ft										
	U	10.5 ft									
		: 10.5 ft									
	Cone										
	Sludge	Drying Beds : 6 ft x	7 ft x	4 ft (1n	o), & 6 ft x 8.5	ft x	3.5	ft (2 no)			
14.	Design	detail for Secondary	y Tre	atment	Plant: Dischar	ged	То	CETP			
15.	Efflue	nt characteristics( Prir	nary)	:		-					
	S No	Location of sample			pН	, ,	TSS	(mg/l)	Cr	· (T)	
									(m	ng/l)	
	01	Collection tank			6.59		199		6.78		
	02	Effluent discharge to	CET	Έ	5.88		347		32	2.4	
	03	Standard			6.5 – 9.0	]	Belo	ow 600	45		
G	) Air Po	llution – Emission So	ources	s & Con	trol						
16		s of air pollution	Boi	ler 3.5 TPH			Generator				
		ey Details	30 r					180 KVA			
		quipments Provided	No.		5		Without Acoustic end				
17	Fuel C	onsumption						onsumption	Used in		
			Ļ	Coal			400 kg/day			boiler	
				Diesel			12 lph DG set				
18		ement of hazardous w	astes			gene	ratio				
	Type o	f Wastes		Quantity generated				Storage & Disposal			
	Chemi	cal sludge from ETP		10 Kg/day				Stored & disposed to TSDF			<b>D</b> F
	Shavings & Buffing				vailable			No storage t		•	-
							to animal feed food & leather			ther	
	board makers.										
		er of TSDF : Ramky a			-						
		of validity & complia	nce o	f conser	nts and author	izati	ion				
19.		t/Authorization						1 10 0010			
I		Water Act:						1.12.2013			
II		Air Act:						1.12.2013	.1	• .•	
III	Hazardous Waste authorization:Not having authorization										

	Overall Observations:
20	<ul> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>Unit is having proper storage facility for PETP sludge and not having log book for was generation, storage and disposal. The solid waste from spray dying machine and ETP being disposed to municipal solid waste.</li> <li>The effluent from spray dying is being discharged to sewer.</li> <li>Fresh water leakages was observed during inspection</li> <li>Log book for the chemical consumption in ETP, water consumption &amp; effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final or let of PETP. Water meter in the outlet of PETP is found filled with water.</li> <li>Unit is not maintaining proper records/log book for chemical consumption, hides purchas and production details.</li> <li>Fugitive emission from buffing section is observed due to non-proper operation of emission control system bag filter attached to buffing machine.</li> <li>Unit is not having records for ash generation and disposal.</li> <li>Unit is not having records for ash generation for Hazardous Waste.</li> </ul>
	<ul> <li>Housekeeping is not satisfactory.</li> </ul>
	<b>3</b> Recommendations/Suggestion:
21.	<ul> <li>Environmental data display board should be installed on the main gate of the unit.</li> <li>Unit should stop disposing of solid waste from spray dying machine and PETP municipal solid waste.</li> <li>Unit should dispose the solid waste to TSDF and proper record/logbook is to be maintained for generation, storage and disposal</li> <li>Unit should ensure that effluent from spray dying is to be taken to PETP beford discharging to being CETP rather discharging to sewer.</li> <li>Fresh water leakages should be avoided.</li> <li>Water meter in the outlet of PETP should be repaired/ replaced.</li> <li>Unit should maintain proper records/log book for chemical consumption, hides purchas and production details.</li> <li>Fugitive emission from buffing section should be avoided by proper operation of emissic control system bag filter attached to buffing machine.</li> <li>Unit should have DG set with acoustic enclosure.</li> <li>Unit should apply/obtain authorization for Hazardous Waste.</li> <li>Housekeeping should be improved.</li> </ul>
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore
23.	Dr. H. V. Jigyasu, RA, ZO-Lucknow Date of Inspection :25/10/2013



## INSPECTION REPORT OF M/S PAHALWAN TANNERY (UNIT 1)

¢	General Information & Production Deta	ils		
1.	Name and address of the industry	M/s G. P. Leathers		
		(M/s Pahalwan Tannery (Unit 1))		
		2-A, Gajjupurwa, Jajmau,	Kanpur	
2.	Name of the occupier/contact person	Sh. Mufish		
	with			
	a. Telephone	a.9795427947		
	b. Fax	b.		
	c. e-mail	с.		
3.	Date/Year of commissioning	1994		
4.	Type of tanning	NA		
5.	Detail of tanning & associated processes	Fat liquoring & Dying onl	у	
5.	Installed processing capacity	No. of hides processed / day - 25 sides/day		
		Type of hides / skin ( specify)- Buffalo		
7.	Present production status	No. of hides processed / day - 25 sides/day		
		Type of hides / skin ( specify)- Buffalo		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch	
		Caster oil	10	
		GS	5	
		Dye	2.5	
9.	Status of fresh water metering system		ed at intake (bore well) of	
	(Available)	the unit.	. ,	
		• Water meter installed at final outlet of PETP.		
10	Source of fresh water	Bore well :1 No.		
	Water Consumption (M <sup>3</sup> /day)	Consented: 6 KLD		
	Waste Water – Generation & Treatment			
11	Wastewater generation ( M <sup>3</sup> /day )	4-5 KLD		

	Description of I	Effluent Mar	lagement: NA				
13.	Design detail for	Design detail for Primary Treatment Plant					
	Capacity of Chro	me Recovery	Plant,CRP (m <sup>3</sup> ) : NA				
	Primary Treatme	nt Plant detail	:				
	Equalization tank	<u></u>					
	Length : 5 ft						
	Width : 5 ft						
	Depth : 10 ft						
	<u>Clarifier</u>						
	Length: 5 ft						
	width : 5 ft	width : 5 ft					
	Depth : 4 ft						
	Cone : 6 ft						
	Sludge Drying Beds : width 6 ft x length 5 ft x width 5 ft width 5 ft x length 6 ft x width 4 ft						
14.	Design detail for	Design detail for Secondary Treatment Plant: Discharged To CETP					
	-		_	ent quantity of effluent is not available			
	in the collection tank to operate the PETP. So sampling is not carried out.						
	Air Pollution – 1	Emission Sou	rces & Control				
¢	Sources of air	Boiler		Generator			
15	11						
15	pollution						
15	pollution NA						
	-	n	NA				
16	NA Fuel Consumptio		NA tes and other solid waste gen	eration			
16	NA Fuel Consumptio			eration Storage & Disposal			
16	NA         Fuel Consumption         Management of h	nazardous was	tes and other solid waste gen				
15 16 17	NA         Fuel Consumption         Management of h         Type of Wastes	nazardous was	tes and other solid waste gen Quantity generated				

C	Status of validity & compliance of consents and authoriz	ation			
18.	Consent/Authorization				
Ι	Under Water Act:	Applied			
II	Under Air Act:	NA			
III	II Hazardous Waste authorization: not available				
C	Overall Observations:				
19	<ul> <li>Unit is having 4 drums, in which 2 drums of size 8 x 8 ft, and another 2 drums of size 6 x ft.</li> <li>Unit has not provided storage facility for PETP sludge and no records/log book is bein maintained for generation, storage and disposal.</li> <li>Log book for the chemical consumption in ETP, water consumption &amp; effluent discharg was maintained. Water meter (mechanical flow meter) installed at the intake and final oulet of PETP.</li> <li>Unit is not maintaining proper records/log book for chemical consumption, raw hide purchase and production details.</li> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>Unit is not having authorization for Hazardous Waste.</li> <li>Unit is not member of any TSDF facility and no records for sludge disposal.</li> </ul>				
C.	Recommendations/Suggestion:				
20.	<ul> <li>Unit should provide storage facility for PETP s maintained for generation, storage and disposal.</li> <li>Unit should maintain proper records/log book for and production details.</li> <li>Environmental data display board not installed on the Unit should obtain consent under Water Act, 1974 for Unit should apply/obtain authorization for Hazardou</li> <li>Unit should get TSDF membership for disposal of For Housekeeping is not satisfactory.</li> </ul>	chemical consumption, hides purchase ne main gate of the unit. From UPPCB. us Waste from UPPCB.			
21.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow				
22.	Date of Inspection :25/10/2013				



## INSPECTION REPORT OF M/S PAHALWAN TANNERY (UNIT 2)

	General Information & Production Deta				
1.	Name and address of the industry	M/s Pahalwan Tannery (Unit 2)			
		2-A, Gajjupurwa, Jajma	u, Kanpur		
2.	Name of the occupier/contact person	Sh. Abdul Khelin			
	with				
	a. Telephone	a.9336124250			
	b. Fax	b.			
	c. e-mail	с.			
3.	Date/Year of commissioning	1998			
4.	Type of tanning	Chrome Tanning			
5.	Detail of tanning & associated processes	Raw to semi finish			
6.	Installed processing capacity	No. of hides processed / day - 20 hides/day			
		Type of hides / skin ( specify)- Buffalo			
		Hide processed – 0.6 tonnes/day			
7.	Present production status	No. of hides processed / day - 20 hides/day			
		Type of hides / skin ( specify)- Buffalo			
		Hide processed – 0.6 tor	nnes/day		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch		
		Sodium sulphide	20		
		Lime	40		
		Sodium bi-sulphate			
		Sulphuric acid	22		
		Common salt	85		
		BCS (fresh)	45		
		Fish oil	8		
		GS	8		
		Wattle	8		
		Dye	4		
9.	Status of fresh water metering system	-	alled at intake (bore well) of		
۶.	(Available )	the unit.			

		•	Water meter	installed at f	inal outlet of PETP.			
10	Source of fresh water	Bore	well :1 No.					
	Water Consumption $(M^3/day)$	Cons	ented: 15 KLD					
¢	Waste Water – Generation & Tr	reatment						
11	Wastewater generation	Chro	me bearing strea	am: 0.1 lits				
	( M <sup>3</sup> /day )	Non-	chrome bearing	stream: 10	KLD			
12.	Description of Effluent Manag	gement:						
	Whether effluent segregation pra	cticed: Partially	segregated					
	High TDS effluent and other pro- segregated.	cess effluents ar	e not segregated	d only Chron	me bearing effluent is			
13.	Design detail for Primary Treatment Plant							
	Capacity of Chrome Recovery Plant, CRP (m <sup>3</sup> ) : CCRU member. Having open storage sump.							
	Primary Treatment Plant detail:							
	Equalization tank:							
	Length : 6 ft	Length : 6 ft						
	Width : 6 ft							
	Depth : 10 ft							
	Clarifier							
	Length: 6 ft							
	width : 6 ft							
	Depth : 4 ft							
	Cone : 5 ft							
	Sludge Drying Beds : 6 m x 3 m (2 nos)							
14.	Design detail for Secondary Tr	eatment Plant:	Discharged To	CETP				
15.	Effluent characteristics( Primary	y):						
	S No Location of sample	рН	TSS	Cr (T)				
			(mg/l)	(mg/l)				

	01	Final efflue		7.11	139		43.8	
	02	standard	atment plant	6.5 - 9.0	Below	(00	45	_
	02	Standard		0.5 - 9.0	Delow	000	45	
C	Air P	ollution – En	nission Sourc	es & Control				
16	16Sources of airBoiler						Ge	enerator
	pollut	ion						
	NA							
17	Fuel C	Consumption		NA				
18	Manag	gement of ha	zardous waste	s and other so	lid waste gei	nerat	ion	
	Type	of Wastes		Quantity g	enerated		Storage &	z Disposal
	Chem	ical sludge fr	om ETP	10 Kg/day			No Storag	e facility & disposed
							to TSDF	
	Fleshi	•		<b>2</b> 0 0 <b>5 W</b>	/ 1			
	shavir	igs		20 & 5 Kg	g/day		-	e facility provided and to local vendors.
	Memb	er of TSDF	: Ramky & M	embership No	1295		uisposeu i	o local vendors.
3			& compliance	-		ntion	,	
19.		nt/Authorizat	-	oj consents u	<i>na aamon i</i> ,a		,	
Ι		Water Act:	-				31.12.2013	
II	Under	Air Act:					NA	
III	Hazard	lous Waste a	uthorization:	N			Not availab	le
	Overa	ll Observatio	ons:					
20	•	pits of size 5 Unit is men bearing was During insp wastewater 1 Unit is not h sump. Unit is not bearing efflu Unit has not no records/le Log book for was maintai let of PETP. Unit is not	5 x 5 x 6 ft. hber of CCRU te water and n ection, waste from this area having proper/ segregating tent is being s t provided sto og book is bei prothe chemica ned. Water mo	J and provide o log book is water logging is directly pu dedicated cha digh TDS effective egregated. orage facility in ng maintained al consumption eter (mechani proper record	ed an open s being mainta g in the kacc mped/bye pa nnel for chro ffluent and o for PETP slu for generati n in ETP, w cal flow met	storag ained ha la ssed ome other idge, adge, ater ter) i	ge sump for l for disposa agoon/sump to CETP co wastewater r process ef Fleshing at storage and o consumptio nstalled at t	was observed and the onveyance channel. discharge to collection ffluents, only Chrome nd shavings waste and

	• Unit is not having separate energy meter for the PETP.
	• Environmental data display board not installed on the main gate of the unit.
	• Unit is not having authorization for Hazardous Waste.
	• Housekeeping is not satisfactory.
ç	Recommendations/Suggestion:
21.	• Unit should provide closed shed for chrome bearing waste water storage sump and to maintain proper records/log book for disposal to CCRU.
	• Waste water logging in the kaccha lagoon/sump should be avoided and the effluent channels should be connected to PETP properly, without any bye-pass line.
	• Unit should have proper/dedicated channel for chrome wastewater discharge to collection sump.
	• Unit should segregate High TDS effluent from other process effluents and ensure proper treatment before discharge.
	• Unit should provide storage facility for PETP sludge, Fleshing and shavings waste and proper records/log book is to be maintained for generation, storage and disposal.
	• Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details.
	• Unit is should have separate energy meter for the PETP and proper records/log book is to be maintained.
	• Environmental data display board should be installed on the main gate of the unit.
	• Unit should apply/obtain authorization for Hazardous Waste from UPPCB.
	• Housekeeping should be improved satisfactory.
22.	Inspecting team :
	Sh. R.Rajkumar, Sci C, ZO-Bangalore
	Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :25/10/2013



## INSPECTION REPORT OF M/S PAHALWAN TANNERY (UNIT 3)

C	General Information & Production Deta	uils			
1.	Name and address of the industry	M/s Pahalwan Tannery (	Unit 3)		
		2-A, Gajjupurwa, Jajmar	u, Kanpur		
2.	Name of the occupier/contact person	Sh. Moh. Aashif Shidhic	lui		
	with				
	a. Telephone	a.9956294869			
	b. Fax	b.			
	c. e-mail	c. asif.786786@yahoo.co	om		
3.	Date/Year of commissioning	1996			
4.	Type of tanning	Chrome Tanning			
5.	Detail of tanning & associated processes Raw to wet blue				
6.	Installed processing capacity	No. of hides processed /	day - 30 hides/day		
		Type of hides / skin ( specify)- Buffalo			
		Hide processed – 0.9 tonnes/day			
7.	Present production status	No. of hides processed / day - 30 hides/day			
		Type of hides / skin ( specify)- Buffalo			
		Hide processed – 0.9 ton	nnes/day		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch		
		Sodium sulphide	30		
		Lime	100		
		Sodium bi-sulphate	3		
		Sulphuric acid	20		
		Common salt	25		
		BCS (fresh)	60		
9.	Status of fresh water metering system (Available )	• Water meter insta the unit.	alled at intake (bore well) of alled at final outlet of PETP.		
10	Source of fresh water	Bore well :1 No.			

	Water (M <sup>3</sup> /da	1	Consented: 23	S KLD			
٥		Water – Generation & Treatment					
11	Waste ( M <sup>3</sup> /d	0		ng stream: 0.5 l bearing stream:			
12.	Descri	ption of Effluent Management:					
	Wheth	er effluent segregation practiced: Pa	rtially segrega	ted			
	High T segreg	TDS effluent and other process effluent ated.	nts are not seg	regated only C	hrome bearing	effluent is	
13.	Desig	n detail for Primary Treatment Pla	nt				
	Capacity of Chrome Recovery Plant, CRP $(m^3)$ : CCRU member. Having open storage sump 6 x 6 x 6 ft.						
	Primary Treatment Plant detail:						
	Equalization tank:						
	Length : 6 ft Width : 6 ft Depth : 10 ft						
	<u>Clarifier</u>						
	Length: 6 ft						
	width : 6 ft						
	Depth : 5 ft Cone : 5 ft						
	Sludge Drying Beds : 5 m x 6 m x 3 m (3nos)						
14.	Design	n detail for Secondary Treatment P	lant: Dischar	ged To CETP			
15.	Efflue	ent characteristics( Primary) :test rep	ort awaited				
	S No	Location of sample	рН	TSS (mg/l)	Cr (T) (mg/l)		
-	01	Effluent Discharged directly to CET (Bye pass line)	ГР 7.57	393	29.2		

C	Air Pollution – Emission Sources	& Control	
16	Sources of air Boiler		Generator
	pollution		
	NA		
17	Fuel Consumption	NA	
18	Management of hazardous wastes a	and other solid waste genera	tion
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP	700 Kg/month	Stored & disposed to TSDF
	Fleshings,	NT / A 11.1.1	Open storage facility provided
	shavings	Not Available	and disposed to glue & leather board makers.
	Member of TSDF : Ramky & Mer	hershin No. 1042	board makers.
G			11
19.	Consent/Authorization	consents and dathorizatio	
I	Under Water Act:		31.12.2013
II	Under Air Act:		NA
III	Hazardous Waste authorization:		Applied for authorization
C	Overall Observations:		
20	<ul> <li>Unit is having 4 drums of si size 10 x 8 ft.</li> <li>During inspection, unit was line is found, which is connelled unit is member of CCRU bearing waste water and no</li> <li>Unit is not having proper/desump.</li> <li>Unit is not segregating His bearing effluent is being seg</li> <li>Unit has provided open store</li> <li>Unit has not provided stora maintained for generation, since a Log book for the chemical was maintained. Water method let of PETP.</li> </ul>	found operational and no effected directly to CETP conv and provided an open stor log book is being maintaine edicated channel for chrome igh TDS effluent and othe gregated. age area/facility for Fleshin age facility for PETP sludg torage and disposal. consumption in ETP, water er (mechanical flow meter) oper records/log book for tails. board not installed on the m er Water Act, 1974. zation for Hazardous Waste	age sump for collection of chrome d for disposal to CCRU. e wastewater discharge to collection er process effluents, only Chrome g and shavings waste. e and no records/log book is being r consumption & effluent discharge installed at the intake and final out chemical consumption, raw hides hain gate of the unit.

0	Recommendations/Suggestion:
21.	• Unit shall remove/dismantle the non-working drum.
	• Unit should remove/close the bye pass line and ensure that effluent to be discharged after primary treatment.
	• Unit should provide closed shed for chrome bearing waste water storage sump and to maintain proper records/log book for disposal to CCRU.
	• Unit should have proper/dedicated channel for chrome wastewater discharge to collection sump.
	• Unit should segregate High TDS effluent from other process effluents and ensure proper treatment before discharge.
	• Unit has provided open storage area/facility for Fleshing and shavings waste, which is to be in closed shed.
	• Unit should provide proper storage facility for PETP sludge and to maintain records/log book for generation, storage and disposal.
	• Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details.
	• Environmental data display board should be installed on the main gate of the unit.
	• Unit should get authorization for Hazardous Waste from UPPCB.
	• Housekeeping is to be improved.
22.	Inspecting team :
	Sh. R.Rajkumar, Sci C, ZO-Bangalore
	Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :25/10/2013



#### **INSPECTION REPORT OF M/S SOFIA INTERNATIONAL**

5	Green General Information & Production Deta	nils			
1.	Name and address of the industry	M/s Sofia International			
		87 A, Wazidpur, Jajmau, H	Kanpur		
2.	Name of the occupier/contact person	Sh. Nasik Aarfin			
	with				
	a. Telephone	a.9839068375			
	b. e-mail	b.sofiaint786@yahoo.com			
3.	Date/Year of commissioning	1997			
4.	Type of tanning	NA			
5.	Detail of tanning & associated processes	Split leather is fat liquored			
6.	Installed processing capacity	No. of hides processed / da			
		Type of hides / skin ( spec	ity)- Buttalo		
		Hide processed (Tonnes /d	lay )-300 kg/day		
7.	Present production status	No. of hides processed / da	ay – 5 splits		
		Type of hides / skin ( specify)- Buffalo			
		Hide processed (Tonnes /d	lay )-300 kg/day		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch		
		Fat liquor	14		
		Syntan	4		
		Formic acid	0.6 %		
9.	Status of fresh water metering system	Water meter install	ed at intake (bore well) of		
	(Available)	the unit.			
		• Water meter install	ed at final outlet of PETP.		
10	Source of fresh water	Bore well :1 No.			
	Water Consumption	4 KLD			
C	Waste Water – Generation & Treatment	I			
11	Wastewater generation	Consented 3.5 KLD			
		As per log book 1 KLD			
12.	Description of Effluent Management	1			
	Whether effluent segregation practiced: NA				
13.	Design detail for Primary Treatment P	lant			
	Capacity of Chrome Recovery Plant,CRP				

	Primary Treatment Plant detail:					
	Equalization tank:					
	Length : 6 ft					
	Width : 6 ft					
	Depth : 8 ft					
	<u>Clarifier</u>					
	Length: 5 ft					
	width : 6 ft					
	Depth : 5 ft					
	Cone : 3 ft					
	Sludge Drying Beds : 5 x 3	x 3.5	(2nos)			
14.	Design detail for Secondar	ry Trea	atment Plant: Disch	arged T	o CETP	
15.	Effluent characteristics( Pri	imary)				
		1		CC: . :		
	At time of inspection no eff		•			nt is not available
	in the collection tank to ope	rate the	e PETP. So sampling		amed out.	
	Air Pollution – Emission S					
16	Sources of air pollution	Boil	er		Genera	tor
	Chimney Details	NA		35	KVA	
	APC Equipments Provided			W	ithout Acoustic e	nclosure
17	Fuel Consumption		Type of fuel	(	Consumption	Used in
			Diesel		10-12 lph	DG set
18	Management of hazardous v	wastes	and other solid waste	e genera	tion	
	Type of Wastes		Quantity generated		Storage & Dis	posal
	Chemical sludge from ETP		20 Kg/day		Data not availa	able
	chavinga		25 kg/day		No storage fee	ility and dispaged
	shavings		35 kg/day		to leather boar	ility and disposed
						u makers.
	Member of TSDF : Not me	mber				
6	Status of validity & compli	ance o	f consents and autho	orizatio	n	
19.	Consent/Authorization					
I	Under Water Act:				Applied	
II	Under Air Act:				Applied	
III	Hazardous Waste authorizat	ion:			Authorization no	ot available
	1					

0	Overall Observations:
20	<ul> <li>Unit has two drums of size 6 x 8 ft.</li> <li>Environmental data display board not installed on the main gate of the unit.</li> <li>Unit has provided flexible pipe line in PETP rather than permanent pipeline system.</li> <li>Sludge drying bed was found damaged/broken. At time of inspection, it was found that sludge present in the bed is being removed &amp; loaded in tractor along with other waste materials, which is sent for disposal in municipal solid waste site.</li> <li>Unit has not provided storage facility for PETP sludge and no records/log book is being maintained for generation, storage and disposal.</li> <li>Unit is not maintaining proper records/log book for chemical consumption, hides purchase and production details.</li> <li>Log book for the chemical consumption in ETP, water consumption &amp; effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP.</li> <li>Unit has provided DG set of capacity 35 KVA without acoustic enclosure.</li> <li>Unit is not having membership of TSDF for disposal of solid waste.</li> <li>Unit is not having/applied for authorization for Hazardous Waste.</li> </ul>
0	Housekeeping is not satisfactory.     Recommendations/Suggestion:
21.	<ul> <li>Environmental data display board should be installed on the main gate of the unit.</li> <li>Unit should provide permanent pipelines in PETP.</li> <li>Sludge drying bed should be repaired.</li> <li>Sludge generated from PETP should be disposed to TSDF rather than disposing to municipal solid waste disposal site.</li> <li>Unit should provide storage facility for PETP Sludge and to maintain proper records/log book generation, storage and disposal.</li> <li>Unit should maintain proper records/log book for chemical consumption, hides purchase and production details.</li> <li>Unit should provide acoustic enclosure for the DG set.</li> <li>Unit should obtain valid consent under water Act &amp; Air Act.</li> <li>Unit should apply/obtain authorization for Hazardous Waste.</li> <li>Housekeeping should be improved.</li> </ul>
	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :26/10/2013



## INSPECTION REPORT OF M/S TANNERS CO

	General Information & Production Deta				
1.	Name and address of the industry	M/s Tanners Co.			
		91 A, Wazidpur, Jajmau, Kanpur			
2.	Name of the occupier/contact person	Sh. Sahabin Moin			
	with				
	a. Telephone	a.9889008703			
3.	Date/Year of commissioning				
4.	Type of tanning	NA			
5.	Detail of tanning & associated processes	Split leather is fat liquore	d & dye		
6.	Installed processing capacity	No. of hides processed / d	lay - 15 hides/day		
		Type of hides / skin ( spec	cify)- Buffalo		
		Hide processed (Tonnes /	day )-375 kg/day		
7.	Present production status	No. of hides processed / d	lay - 15 hides/day		
		Type of hides / skin ( spec	cify)- Buffalo		
		Hide processed (Tonnes /	day )-375 kg/day		
8	Major raw materials consumed	Chemicals	Quantity		
		Veractor DET	4.5.0/		
		Vernatm RET	4.5 %		
		Axm	4%		
		Sodium bi sulphide	1 %		
		Sodium bi carbonate	3%		
		Wattle	8%		
		Fish oil	5.5%		
		dye	1.5%		
		GS powder	6%		
		Formic Acid	1%		
9.	Status of fresh water metering system	• Water meter installed at intake the unit.			
	(Available )				
		• Water meter instal	lled at final outlet of PETP.		
10	Source of fresh water	Bore well :1 No.			
10					

	Water Consumption	8 KLD				
٥	S Waste Water – Generation & Treatment					
11	Wastewater generation	7 KLD				
12.	Description of Effluent Manag	gement				
	Whether effluent segregation practice provide the segregation of the s	cticed: NA				
13.	Design detail for Primary Trea	tment Plant				
	Capacity of Chrome Recovery Pl	ant,CRP (m <sup>3</sup> ) : NA				
	Primary Treatment Plant detail:					
	Equalization tank:					
	(2  nos)					
	Length : 10 ft Width : 8 ft					
	Depth : 15 ft					
	<u>Clarifier</u>					
	Length: 10 ft					
	width : 8 ft					
	Depth : 7 ft					
	Cone : 5 ft					
	Sludge Drying Beds : 8 x 4 x 3 (2nos)					
14.	Design detail for Secondary Tr	eatment Plant: Discharge	ed To CETP			
15.	Effluent characteristics( Primary	):				
	At time of inspection no effluent was generated and sufficient quantity of effluent is not available					
	in the collection tank to operate the PETP. So sampling is not carried out.					
٥	Air Pollution – Emission Source	es & Control				
16	Sources of air pollution	Boiler	Generator			
	Chimney Details	NA	1			
	APC Equipments Provided	1				
17	Fuel Consumption	NA				

18	Management of hazardous wastes and other solid waste generation						
	Type of Wastes	Quantity generated	Storage & Disposal				
	Chemical sludge from ETP	12 Kg/day	No storage facility & disposed to TSDF				
	Member of TSDF : Bharat oil	_					
	Status of validity & complianc	e of consents and authoriza	tion				
19.	Consent/Authorization		21.12.2012				
I	Under Water Act:		31.12.2013				
II	Under Air Act:		NA				
III	Hazardous Waste authorization:		Applied for authorization				
	Overall Observations:		· · · · · ·				
20		lay board not installed on the	e main gate of the unit.				
	• Fresh water leakage was						
			dge and no records/log book is being				
	maintained for generatio	•					
		proper records/log book for a	chemical consumption, hides purchase				
	and production details.						
	• Log book for the chemical consumption in ETP, water consumption & effluent discharge						
	was maintained. Water meter (mechanical flow meter) installed at the intake and final out						
	let of PETP.						
		orization for Hazardous Was	ste.				
	• Housekeeping is not sati	stactory.					
6	Recommendations/Suggestion	:					
21.	Environmental data disp	lay board should be installed	on the main gate of the unit.				
	<ul> <li>Fresh water leakages should be stopped.</li> </ul>						
	• Unit should maintain proper records/log book for chemical consumption, hides purchase						
	and production details.						
	• Unit should provide storage facility for PETP Sludge and to maintain proper records/log						
	book generation, storage and disposal.						
	<ul> <li>Unit should obtain valid authorization for Hazardous Waste.</li> </ul>						
	<ul> <li>Housekeeping should be improved.</li> </ul>						
22.	Inspecting team :						
	Sh. R.Rajkumar, Sci C, ZO-Ban	Sh. R.Rajkumar, Sci C, ZO-Bangalore					
	Dr. H. V. Jigyasu, RA, ZO-Luch						
23.	Date of Inspection :26/10/2013						
	1						



#### **INSPECTION REPORT OF M/S YUSUF ENTERPRISES**

¢	General Information & Production Deta	ils			
1.	Name and address of the industry	M/s Yusuf Enterprises			
		174, Wazidpur, Jajmau, Ka	anpur		
2.	Name of the occupier/contact person	Sh. Aashif Makbul			
	with				
	a. Telephone	a.9935945360			
3.	Date/Year of commissioning	1997			
4.	Type of tanning	Chrome & vegetable Tanni	ing		
5.	Detail of tanning & associated processes	Raw to finish			
6.	Installed processing capacity	No. of hides processed / da	y - 30 hides/day		
		Type of hides / skin ( speci	fy)- Buffalo		
			) 0 0 $(1)$		
		Hide processed (Tonnes /d	ay )-0.9 tonnes/day		
7.	Present production status	No. of hides processed / de	y 20 hidag/day		
/.	Present production status	No. of hides processed / da	ly - 50 mues/uay		
		Type of hides / skin ( speci	fv)- Buffalo		
		Type of maes / skin ( speer	ry)- Durraio		
		Hide processed (Tonnes /d	av )-0.9 tonnes/dav		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch		
		Sodium sulphide	22		
		Lime	52		
		Sodium bi-sulphate	15		
		Sulphuric acid	22		
		Common salt	45		
		BCS (fresh)	45		
		Recovered chrome	5		
		(liquid)			
		Recovered chrome (solid)	-		
		Synthetic,			
		semi-synthetic,			
		Vegetable, fish oil,			
		myrobalan, GS, Powder			
		wattle			
		chest nut			
I					

9.	Status	of fresh water metering sys	stem •	Water meter in	stalled at intake (bore well) of				
	(Avail	e .		the unit.					
			•	Water meter in	stalled at final outlet of PETP.				
10	Source	e of fresh water	Bore	well :1 No.					
	Water	Consumption	22 V	LD consented					
	vv ater	Consumption		1 KLD as per log	book				
Ę	Waste	Water – Generation & Tr		Tille us per log					
11	Waste	water generation	Cons	ented 18 KL					
			Chro	me bearing stream	n 65 lits				
			Non-	chrome bearing st	tream: 20 KLD				
12.	Descri	ption of Effluent Manag	gement						
	Wheth	er effluent segregation practice practi	cticed: Partially	y segregated					
	High T	DS effluent and other proc	cess effluents a	e not segregated of	only Chrome bearing effluent is				
	segreg	ated.							
13.	Design	n detail for Primary Trea	tment Plant						
	Capaci	ity of Chrome Recovery Pl	ont $CPP(m^3)$	2 KI					
	Capaci	ity of Chiome Recovery Pi	allt, CKP (III ) .	JKL					
	Primar	ry Treatment Plant detail:							
	Equali	zation tank:							
		n : 5 ft							
	Width								
	Depth	: 10 ft							
	Clarifi	Clarifier							
	Length								
	width	: 5 ft							
	Depth	: 5 ft							
	Cone	: 4 ft							
	Sludge	Drying Beds : 5 x 4 (2no	c)						
14.	0	detail for Secondary Tr	,	Discharged To C	ETP				
15.		ent characteristics( Primary							
1.J.	S No	Location of sample	pH	TSS	Cr (T) (mg/l)				
	0 140			(mg/l)					
	01	Collection tank tank	8.5	777	41.3				
	02	Final effluent from	8.7	750	28.4				
		primary treatment plant							
	03	Standard	6.5 - 9.0	Below 600	45				

C	Air Pollution – Emission Sources & Control					
16	Sources of air pollution	Boi	ler		Generate	or
	Chimney Details	NA		8	32 KVA	
					0 KVA (not workin	
	APC Equipments Provided			V	Without Acoustic en	closure
17	Fuel Consumption		Type of fuel		Consumption	Used in
			Diesel		8 lph	DG set
18	Management of hazardous wa	astes	and other solid waste get	nei	ration	
	Type of Wastes		Quantity generated		Storage & Disp	osal
	Chemical sludge from ETP		1 – 1.5 TPM		No storage facil to TSDF	lity & disposed
	Fleshings,		60 Kg		No storage facil	lity and disposed
	Shavings & buffing waste		30 kg		-	er board makers.
	Member of TSDF : Ramky &	& Me	mbership No. 281			
6	Status of validity & compliant	nce a	of consents and authoriz	ati	on	
19	Consent/Authorization					
Ι	Under Water Act:				Applied	
II	Under Air Act:				Applied	
III	Hazardous Waste authorization	n:			Applied for authorization	
	Overall Observations:					
20			board not installed on the		-	
	_		which 4 drums of sizes			
			n not working) and 6 pad	ldle	es in which 2 paddle	es of size 10 x 10
	ft., remaining 4 paddle					
	-		te water discharge is obse			
			edicated channel for carr			
	• Ont is not segregation bearing effluent is being		ligh TDS effluent and gregated.	ou	ier process ennuen	is, only Chrome
	-	• •	ass channel at the inlet	of	collection tank, wh	nich connects the
	CETP conveyance line.					
	• Unit has provided flex	-				
	• During the inspection the PETP was operated and the analysis value of the samples show higher value of TSS, which shows improper operation & maintenance of PETP.					1
	<ul> <li>Unit is not having proper storage area/facility for PETP sludge, Fleshing and shaving</li> </ul>					
	waste and also no records is being maintained for generation, storage and disposal.					
	• Unit has provided 2	nos.	of Sludge drying bed ir	n v	which one SDB is t	filled with waste
	materials.					
	• Log book for the chemical consumption in PETP, water consumption & effluent disch was maintained. Water meter (mechanical flow meter) installed at the intake and final let of PETP.			-		

s not maintaining proper records/log book for chemical consumption, raw hides se and production details.
having a Buffing machine, which is not having proper emission control system.
as applied for renewal of consents under Water Act, 1974 Air Act, 1981 and
zation for Hazardous Waste.
having DG set of capacities 82 KVA & 40 KVA without acoustic enclosure and it
formed that 40 KVA DG set is not working.
keeping is not satisfactory.
ttions/Suggestion:
nmental data display board not installed on the main gate of the unit.
ould take necessary steps/modification of PETP to achieve the discharge norms.
hould have proper dedicated channel for carrying chrome bearing waste water to
hould segregate high TDS effluent from other stream and ensure proper treatment of
ould use the water & discharge the wastewater as per the consented quantity.
ould remove/dismantle all non-working drums.
nould remove the bye-pass channel provided at the inlet of collection tank, which
ts the CETP conveyance line.
ould provide permanent pipe line system rather than having flexible pipe.
hould have proper storage area/facility for PETP sludge, Fleshing and shavings and maintain records/ logbook for generation, storage and disposal.
ould remove the filled waste materials present in the sludge drying bed.
hould maintain proper records/log book for chemical consumption, raw hides
se and production details.
g machine should be provided with proper emission control system.
nould provide acoustic enclosure for the DG sets.
hould obtain valid consents under Water Act, 1974 Air Act, 1981 and authorization
zardous Waste from UPPCB.
keeping is not satisfactory.
n :
ar, Sci C, ZO-Bangalore
asu, RA, ZO-Lucknow
tion :21/10/2013
tior



### INSPECTION REPORT OF M/S NAGAURI TANNING IND.

6	General Information & Production Details						
1.	Name and address of the industry	M/s Nagauri Tanning Ind. Wazidpur, Jajmau, Kanpur					
6	Overall Observations:						
2.	<ul> <li>Unit has 2 DG sets of capacities</li> <li>Unit has PETP consisting of Col Beds. It was observed that SDB</li> <li>The inspection team had discus information/data and forcefully,</li> </ul>	rd not installed on the main gate of the unit. 75 KVA each without acoustic enclosure. Ilection cum Equalization tank, clarifier and Sludge Drying is filled with junk materials. sion with Mr. Fahzan Solanki, who refused to provide the the team was not allowed to inspect the unit and sent out sysical observation was made since it is near the office					
	<b>3</b> Recommendations/Suggestion:						
3.	<ul> <li>Unit should provide acoustic end</li> <li>Junk materials present in the S PETP.</li> </ul>	rd should be installed on the main gate of the unit. closure for the DG sets. SDB should be removed and ensure proper operation of e unit for not allowing the team/officials for inspecting the					
4.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow						
5.	Date of Inspection :26/10/2013						



#### **INSPECTION REPORT OF M/S Z. R. LEATHER FINISHERS**

	General Information & Production Deta				
1.	Name and address of the industry	M/s Z. R. Leather Finisher	S		
		263 B, Wazidpur Jajmau, Kanpur			
2.	Name of the occupier/contact person	Sh. Masiuddin Ansari			
	with				
	a. Telephone	a.9935967869			
3.	Date/Year of commissioning	1998			
4.	Type of tanning	NA			
5.	Detail of tanning & associated processes	Split leather is fat liquored	l and dye		
6.	Installed processing capacity	No. of hides processed / da	ay – 30 split/day		
		Type of hides / skin ( spec	ify)- Buffalo		
7.	Present production status	No. of hides processed / da	ay – 30 split/day		
		Type of hides / skin ( spec	ify)- Buffalo		
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch		
0	Wajor raw materials consumed	Chemieais	Quantity in Kg/ batch		
		Oil	20		
		Dying	12		
		Wattle	12		
		Fish oil	4.5%		
9.	Status of fresh water matering system	Pigment	12 kg		
7.	Status of fresh water metering system (Available )		led at intake (bore well) of		
	(Available)	the unit.	ad at final anti-t -f DETD		
10	Source of freeh meter		ed at final outlet of PETP.		
10	Source of fresh water	Bore well :1 No.			
	Water Consumption	5.25 KLD consented			
		3.5 KLD as per log book			
-	Waste Water – Generation & Treatment	1 0			
11		3 KLD			
11	Wastewater generation				
12.	<b>Description of Effluent Management</b>	I			
	Whether effluent segregation practiced: N	NA			

13.	3. Design detail for Primary Treatment Plant							
	Capacity of Chrome Recovery Plant,CRP (m <sup>3</sup> ) : NA Primary Treatment Plant detail:							
Equalization tank: Length : 2.1 m Width : 2.2 m Depth : 2.4 m								
	<u>Clarifi</u> Dia 2.9	<u>er</u> 9 m, depth 1.10 m						
	Sludge	e Drying Beds : 2 x 1.6 x0	.8 (	2 nos)				
14.	Design	n detail for Secondary Tr	eat	ment Plan	t: Discharge	ed To	CETP	
15.	Efflue	ent characteristics( Primary	7):					
	S No	Location of sample	pl	H	TSS (mg/l)		Cr (T) (mg/l)	
	01	Collection tank	6.	8	30.14		1.15	-
	02	Final effluent from primary treatment plant	6.	2	264		12.5	-
	03	Standard	6.	5 – 9.0	Below 60	0	45	-
C	Air Pa	ollution – Emission Sourc	es s	& Control			I	
16	Source	es of air pollution		Boiler			Generator	
		ey Details Equipments Provided		NA	NA			
17		Consumption	N	A				
18	Manag	gement of hazardous waste	s an	d other so	lid waste ger	nerati	on	
	Туре с	of Wastes		Quantity g	generated		Storage & Disposal	1
	Chemical sludge from ETP		,	3 Kg/day			No storage facility & no information about disposal	
	Shavings & buffing waste						No storage facility and disposed to leather board makers.	
	Member of TSDF : Not member							

	Status of validity & compliance of consents and	authorization			
19.	Consent/Authorization				
Ι	Under Water Act:	31.12.2013			
II	Under Air Act:	NA			
III	Hazardous Waste authorization:	Authorization not available			
¢	Overall Observations:				
20	<ul> <li>Unit has 3 drums of size 7 x 8 ft.</li> <li>Environmental data display board not insta</li> <li>The analysis result shows that the unit is not</li> <li>Unit has provided flexible pipe line in PET</li> <li>Unit has not provided storage facility for records/log book is being maintained for ge</li> <li>Unit is not maintaining proper records/log and production details.</li> <li>Log book for the chemical consumption in</li> </ul>	ot carrying out proper neutralisation. P rather than permanent pipeline system. PETP sludge, shaving & buffing waste and no eneration, storage and disposal. book for chemical consumption, hides purchase h ETP, water consumption & effluent discharge flow meter) installed at the intake and final out r disposal of solid waste.			
21.	<b>3</b> Recommendations/Suggestion:	e installed on the main sate of the writ			
21.	<ul> <li>Environmental data display board should b</li> <li>Unit should carry out proper neutralisation</li> </ul>	_			
	<ul> <li>Unit should provide permanent pipelines in PETP.</li> <li>Unit should provide storage facility for PETP Sludge, shaving waste &amp; buffing waste and ensure proper disposal of PETP sludge and also to maintain proper records/log book generation, storage and disposal.</li> <li>Unit should maintain proper records/log book for chemical consumption, hides purchase</li> </ul>				
	and production details.				
	• Unit should apply/obtain authorization for	Hazardous Waste.			
	• Housekeeping should be improved.				
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow				
23.	Date of Inspection :26/10/2013				

apab		List of Closed Units
1.	38. M/s 3 39. M/s 3 40. M/s 3 41. M/s 3 42. M/s 3	ng industries were found permanently closed and no industrial activity is taking place. Swedeshi Pesticides Pvt Ltd, Pokharpur, Kanpur Swedeshi Insecticides Pvt Ltd, Pokharpur, Kanpur New Light Tannery Pvt. Ltd, 150 ft Road, Jajmau, Kanpur Roshan Tanners, Laltupurwa, Jajmau, Kanpur Penja Leathers, 104/90(24a), Sanjay Nagar, Jajmau, Kanpur Nisar Sons (Lari Tannery), 166, Gajjupurwa, Jajmau, Kanpur
2.	ĩ	eam : mar, Sci C, ZO-Bangalore gyasu, RA, ZO-Lucknow

cpcb		List of Units Not Traceable			
1.	44. M/s 2 45. M/s 2 46. M/s 2	ng industries were found permanently closed and no industrial activity is taking place. K. P. Chemi Colour, Panki, Kanpur Ganjiwala Pvt Ltd, Pokharpur, Kanpur Rahim Tanners (Sara International), 150 ft Road, Jajmau, Kanpur Universal Tanning Ind., 150 ft Road, Jajmau, Kanpur			
2.	v	eam : mar, Sci C, ZO-Bangalore gyasu, RA, ZO-Lucknow			



## INSPECTION REPORT OF SAF YEAST CO. PVT. LTD.,

A.	GENERAL INFORMATION	
1	Name of the Unit and Address	M/s Saf Yeast Co. Pvt. Ltd.,
		101 UPSIDC Industrial Area
		Sandila, Hardoi dist. (U.P)
2	Name of the Proprietor/Contact Person –	Sh. G. R. Sadhale
	Designation	General Manager
	Contact No. and Fax No.	05854-271237
3	Year of Commissioning	1990
4	Sector	Private: Large
5	Production Capacity	
	Products	Bakers Yeast
	Installed Production Capacity	100 MTPD
	Present Production	52 MTPD
6	Raw Materials & their requirement	Molasses – 1200 quintals/day
		Ammonia – 1400 kg/day
		Phosphoric Acid – 800-900 kg/day
		Soda Ash – 2 TPD

B:	WATER POLLUTION AND ITS CONT	FROL
1	Water Supply Source	Bore well 5 nos
	Water Consumption (KLD)	
	Industrial	1500 KLD
	Domestic	150 KLD
2	Waste Water Generation (KLD)	
	Industrial	500 KLD
	Domestic	20 KLD
3	Waste Water After Evaporation(KLD)	
	Industrial	500 KLD
	Domestic	20 KLD
4	Details of ETP	
	<ul><li>ETP Description with flow</li></ul>	ETP consist anaerobic digestor followed by
	diagram	RO.
	Details of RO	The unit three stages of RO plants.
		1 <sup>st</sup> stage two plants of capacities 500 & 450
		KLD
		$2^{nd}$ stage two plants of capacities 220 & 160
		KLD
		3 <sup>rd</sup> stage of capacity 220 KLD (reject of 1 <sup>st</sup> &
		$2^{nd}$ stage is feed of $3^{rd}$ stage RO)

	Details of Multi Effect Evaporator	Unit has installed 7 stage MEE capacity of 450 KLD. Concentrate from the MEE will be blended with rice husk in the drum dryer and the blend will be used as boiler feed. (yet to start trail run)
5	Status of Consent under the Water Act 1974	Valid Till 31.12.2013

B:	B: Air Pollution and its Control				
1	Sources of Air Pollution	Boiler 3 nos – 2, 2.3 & 3 TPH			
2	Type of Fuel with consumption	Bio-gas & Furnace oil			
	Stack details with APCs	Stack of height 30 mts			
3	Status of Consent under the Air Act 1981	Valid upto 2013			

C	C:Waste Management			
1	Type & Quantity of Waste Generated	No information about digestor sludge.		
2	Facility of Storage/Disposal			
3	Disposal of Waste			

D. Ot	D. Other informations			
1	Name of the officials inspecting	Sh. R. Rajkumar, Sc 'C' Dr. Rajesh Kumar, RA		
2	Date of Inspection	27.10.2013		

#### **Observations:**

- The industry is involved in production of Bakers Yeast of installed capacity 100 TPD, the present production is about 52 TPD.
- The industry generates about 500 KLD of effluent which is treated in the ETP consists of Bio digestor followed by 3 stage RO system. RO reject is again taken to the bio digestor. RO permeate is being stored in the kaccha lagoon.
- The industry has installed 7 stage MEE capacity of 450 KLD. Concentrate from the MEE will be blended with rice husk in the drum dryer and the blend will be used as boiler feed (yet to start trail run).

- The unit has 27 lagoons, sizes of the lagoon is given in the annexure 1, which are filled with effluent. Other than these 27 lagoons the industry is having kaccha lagoon filled with effluent and also the effluent discharge on the land was observed.
- The industry is not having proper sludge drying bed for the sludge generated from digestor and having no records of sludge generation and disposal.
- The industry has installed spray jet guns around the lagoons.
- Loni drain is flowing through the industry. During inspection lean flow was observed and samples were collected at upstream & downstream of the drain. Analysis result of the samples collected is given below.

Sample Location	pH	TSS	TDS	BOD	COD
Inlet of Bio bigestor	5.2	2580	62700	45500	114201.2
Outlet of Bio bigestor	7.8	1812	-	29500	71656
RO permeate	6.0	7.77	-	66.4	181.4
L.Drain Upstream	7.5	66.4	-	1.92	28.3
L.Drain downstream	7.5	29	-	1.88	24.4

# The BOD removal in biodigestor is 35% only, which shows the biodigestor is not working efficiently.

#### **Recommendation:**

- The industry should stop the storage of untreated effluent in the kaccha lagoon and discharge on the open land.
- The industry shall be directed to stop its production until the unit treat the stored effluent and dismantle all the lagoons in time frame manner. The unit should have storage capacity of effluent as per the guidelines.
- The unit should have proper storage system for the RO permeate and ensure proper utilization/re-use of RO permeate.
- The industry should have proper sludge drying bed for the sludge generated from digestor and proper record shall be maintained for generation and disposal.
- The industry should operate the bio digester efficiently for higher removal efficiency.

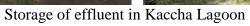
## **Photographs**



Land Discharge

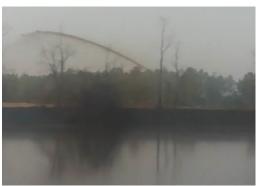




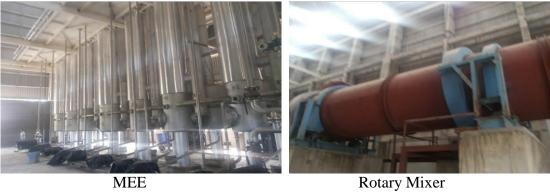




RO permeate Storage lagoon



Spray gun



Rotary Mixer