No. KSPCB/RSEO/BNG-CITY/IR/2018-19/ 252 Dt: 23 MAY 2019

INSPECTION REPORT OF SRI R GURUMURTHY, SENIOR ENVIRONMENTAL OFFICER, BANGALORE CITY.

Sl. No	Particulars	Details
1	Name & address of Industry	**M/s. Kaveri Industries, Plot No.43, 2nd Phase, Jigani Industrial Area, Bangalore.**
2	Officer accompanied	Smt.Veena Kona, Assistant Environmental Officer, Regional Office, Anekal.
3	Date of Inspection	20.05.2019.
4	Person Contacted	Sr.Mahaveer Chand, Proprietor.
5	Category	Small-Green, Earlier, it was categorized as Red.
6	Consent status	The Consent was issued from the Board vide order No.50/KSPCB/BS-1/EO/DEO/HD Reg.No.2711/WPC & APC/2011-12/R-1455, Dt:07.07.2011 which is valid upto 30.06.2013 and the Board was extended the consent at Helpdesk of the Board vide No.PCB/43/HCP/2013/A614, Dt:03.06.2016 and addendum was issued from RSEO-Bangalore South vide No.KSPCB/SEO/2015-16/R1420, Dt:11.08.2015, which is valid upto 30.06.2018. Further, The industry authorities have applied for Consent for Operation under green category and was issued from Environmental Officer, Regional Office, Anekal vide NoAW-107015/446, Dated: 26.07.2018 which is valid up to 31.12.2028, considered under Green –Category.
7	HWM Authorization Status	HWM Authorization was issued vide Board office letter No.KSPCB/HWM/H575, Dt:25.08.2011 which is expired on 30.06.2016.

Ref:- Board Office Memo No.PCB/05/EGV-16/3573, dated: 17.01.2019

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As per the directions of the Board Office vide reference, cited above, M/s. Kaveri Industries, Plot No.42 & 43, 2nd Phase, Jigani Industrial Area, Bangalore was inspected on 20.05.2019 as random inspection. The industry engaged in manufacture of fabric thinner of capacity 510 KL/month and NC thinner of capacity 100 KL/month. The consents issued by the Board is valid upto 30.06.2018 and authorization under the provisions of the HWM Rules is valid upto 30.06.2016.

Further, the industry has submitted a letter to Regional Office, Anekal on 01.08.2014 stating that, they have stopped manufacturing of by using Distillation column. They have dismantled the distillation column and at present they are manufacturing only fabric thinner by changing the process.

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The new process involves only blending of different raw materials such as pentane, Hexne, Toluene, MTO (Miner Turpent oil), Mixed solvents and cyclo hexane in the underground storage tanks as per the formulation/requirements of the customer and blended for 2 hours for uniform mixing of the soluble solvents. The blended solvent is packed in barrels and sols to market. The process does not generate any waste water and emissions as it is carried out in closed vessels. They have total 9 No's of tanks of different capacity 50 KL-2 No's 25 KL-2 No's 15 KL-5 No's.

Consent for Expansion:-

Now, the industry has submitted the CFExp application under Red Category vide HDR.Reg.No.82043, Dt:27.11.2014 seeking CFExp for the manufacture of new product site Black valcunizing Solution, Leather Adhesives and Allied Products using the existing infrastructure with an addition investment cost of Rs.27 Lakhs to the industry. They have submitted detailed project report. The Consent fee paid by the industry is adequate against the expansion cost of Rs.27 Lakhs.

The Consent for Expansion issued from Board office vide No. KSPCB/CFE/CEO/Kaveri/ 2014-15/H1821, Dt:18.03.2015, **to manufacture following products:-**

1. **Black Vulcanizing solution (K 1003) of capacity 150 MTS/Month.**
2. **Black vulcanizing solution (K 1004) of capacity 150 MTS/Month.**
3. **Leather adhesives and allied product (K1005) of capacity 150 MTS/Month.**

The raw materials required for the process are Pentane Hexane & Toluene & other Mixed solvents. Semi finished solvents of (1st grade) and 2nd grade.

Black Vulcanizing solution (K 1003):- The batch size is 1000 liters and time required is 6 hours. They propose to install 2no's of machineries with a capacity of 1200 liters vessel and 5 HP motor. The nature of product is in black color or solution. Initially 875 liters semi finished solvents 1st grade (pentane, Hexane, Toluene) are fed into machines with black compound rubber i.e., 125 KG rubbers are cut into small pieces, physically with the help of man power through blades or knife. After blending, the packaging is done in small tins having a capacity of25 liters respectively. Prepared by using different required quantity in batch time of 05 hours.

Black vulcanizing solution (K 1004):- The batch size is 1000 liters and time required is 6 hours. They propose to install 2no's of machineries with a capacity of 1200 liters vessel and 5 HP motor. Initially 875 liters semi finished solvents 2nd grade (pentane, Hexane, Mixed solvents) are fed into machines with black compound rubber i.e., 125 KG synthetic rubbers are cut into small pieces, physically with the help of man power through blades or knife. After blending, the packaging is done in small tins having a capacity of 25 liters respectively.

Leather adhesives and allied product (K1005):- The batch size is 1000 liters and time required is 6 hours. They propose to install 2no's of machineries with a capacity of 1200 liters vessel and 5 HP motor. **The nature of product is in black color or solution.** Initially 900 liters semi finished solvents 1st grade (pentane, Hexane, Toluene) are fed into machines with black compound rubber i.e., 100 KG synthetic rubbers are cut into small pieces, physically with the help of man power through blades or knife. After blending, the packaging is done in small tins having a capacity of 25 liters respectively.

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Further, the industry applied for Consent for Operation was issued from Environmental Officer, Regional Office, Anekal vide No. AW-107015/446, Dated: 26.07.2018 which is valid up to 31.12.2028.

The consent for operation is granted the following activities/products:-

Sl.No	Product Name	Applied Qty/Month	Unit
1	**Black Vulcanizing Solution K1003**	**150.0000**	**KLT**
2	**Black Vulcanizing Solution K1004**	**150.0000**	**KLT**
3	**Fabric thinner K1001**	**510.0000**	**KLT**
4	**Leather Adhesive & Allied Products K1005**	**75.0000**	**KLT**
5	**NC thinner K1002**	**100.0000**	**KLT**

1. At present the factory authorities informed that, they are manufacturing Fabric thinner K1001 of capacity 510 KLT per month and NC thinner K1002 of capacity 100 KLT per month.

2. The factory authorities informed that, they are not manufacturing Black Vulcanizing Solution K1003 of capacity 150 KLT per month, Black Vulcanizing Solution K1004 of capacity KLT per month and Leather Adhesive & Allied Products K1005 of capacity 75 KLT per month. They were informed to submit the letter to the Board for not manufacturing the above products.

WATER POLLUTION CONTROL STATUS:

The source of water supply is outside tanker. The water used only for Domestic purpose.

The details are as follows:-

Sl. No.	Purpose	WC (KLD)	WWG (KLD)	Mode of disposal
1	Domestic	1.500	1.000	Septic tank followed by Soak pit

There is no generation of trade effluent from the process.

AIR POLLUTION CONTROL STATUS: The sources of Air pollution and air pollution control measures provided by the industry are as follows.

Sl No.	Source	Chimney ht. with APC measures stipulated	Provided	Remarks
1	62.5 KVA DG set	*3.0 m ARL with acoustic enclosures.*	*3.0 m ARL with acoustic enclosures.*	Adequate

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HWM AUTHORIZATION STATUS

Industry authority has obtained authorization under HWM Rules, 2008, was issued vide Board office letter No.KSPCB/HWM/H575, Dt:25.08.2011 which is expired on 30.06.2016. The industry authorities informed that, shall apply and obtain authorization under HWM Rules, 2016 immediately.

The photos are herewith enclosed for kind reference.

Encl: As above.

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BENGALURU CITY.

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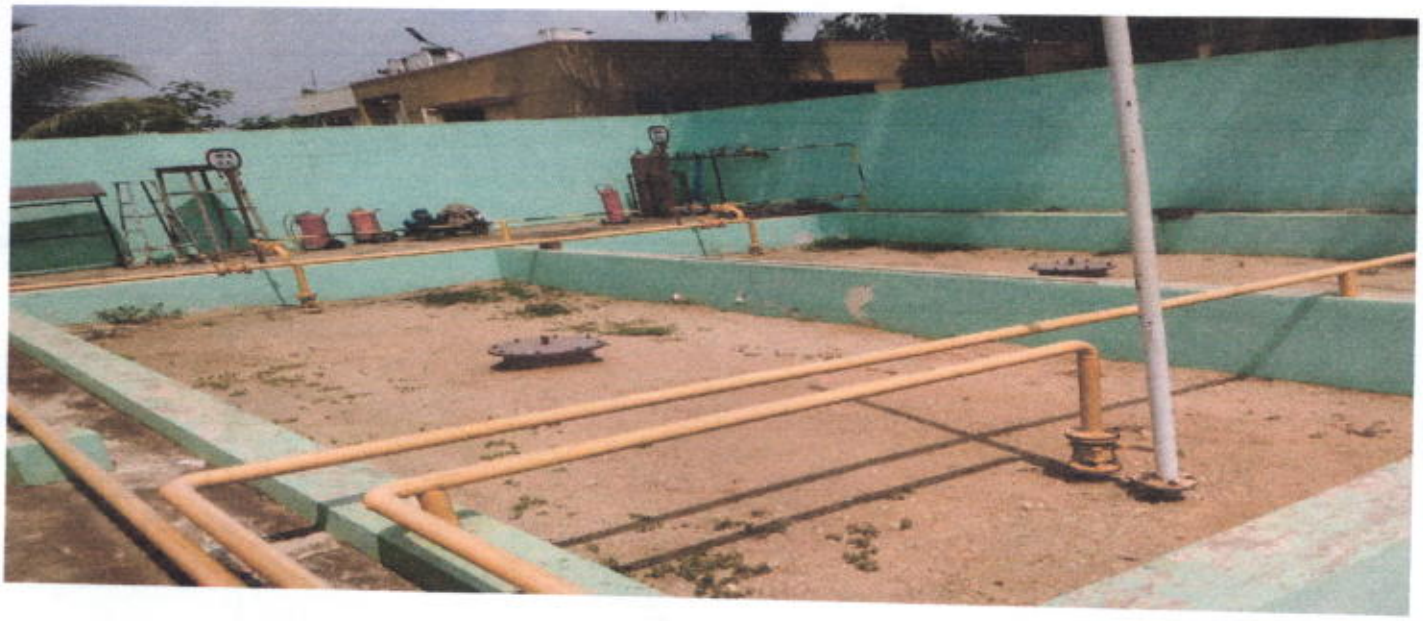
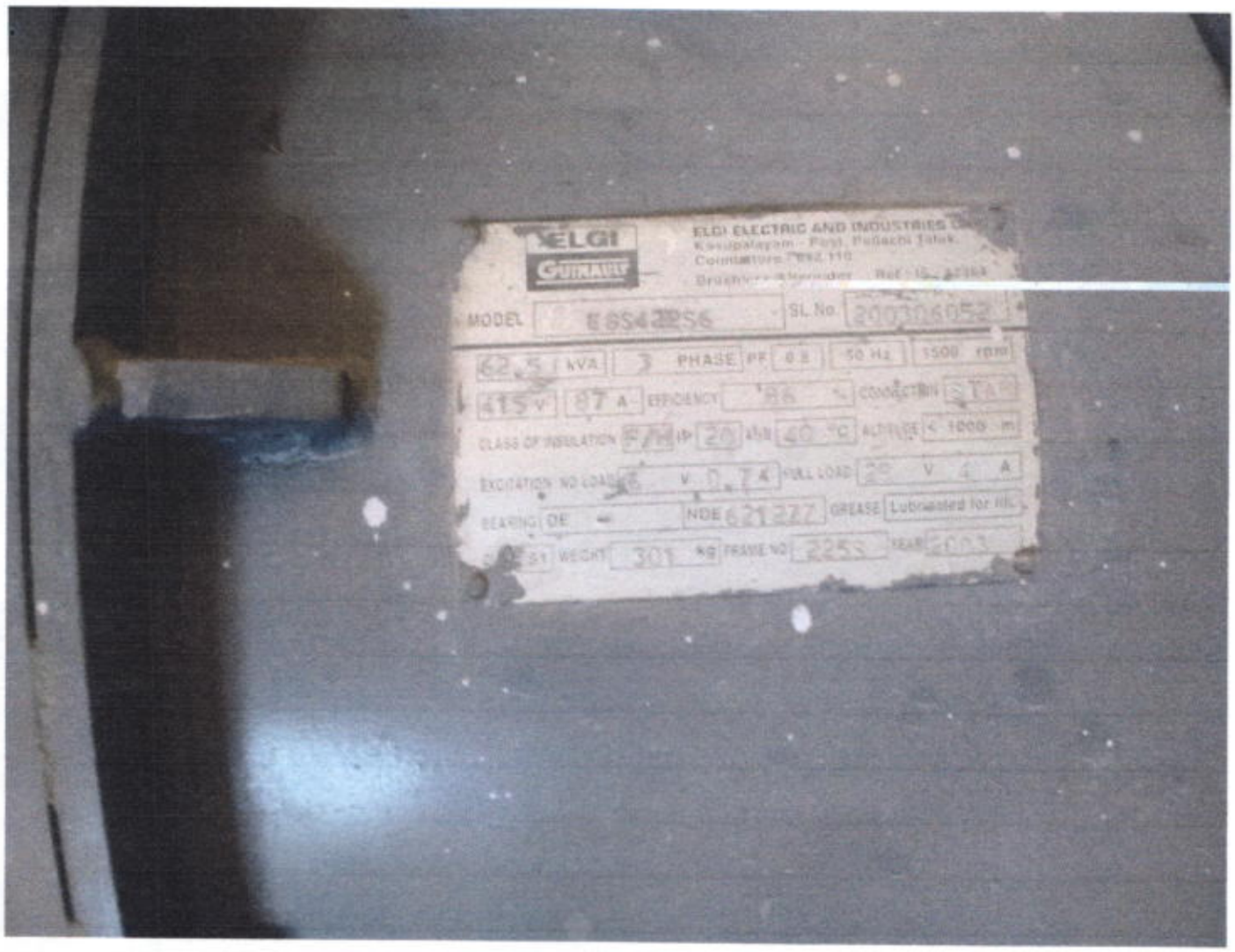
62.5 KVA DG Set provided in a closed room

M/s. Kavai Industries

Raw Material and Product material area stored below ground level





62.5 KVA DG set

DG set chimney