Central Pollution Control Board
HWM Division, Delhi

Sub: Minutes of the Fifth Meeting of the Technical Expert Committee for "Evaluation of proposal for utilization of the hazardous wastes under Rule 11 of the Hazardous Waste (Management, Handling & Transboundary) Rules, 2008".

1. Fifth Meeting of the Technical Expert Committee on "Evaluation of proposals for utilization of the hazardous wastes as a supplementary resource or for energy recovery, or after processing" was held at CPCB, Delhi on 13.06.2012. List of the participants is enclosed at ***Annexure I***.

2. Shri B. Vinod Babu, Senior Environmental Engineer & I/c HWMD, welcomed the members and invitees of the Committee and informed that the following applications (new cases) have been received for approval for utilization of HW under Rule 11 of the HWM Rules 2008:

   (i) M/s Gujarat Terce Laboratories, Gandhinagar, Gujarat;
   (ii) M/s Malana Silver Nitrate Recycling Unit, Sangrur, Punjab;
   (iii) M/s Universal Chemicals , Kota, Rajasthan;
   (iv) M/s Narayani Rail Products Pvt. Ltd., Raipur, Chattisgarh;
   (v) M/s Swatik Recyclers & Processors., Murshidabad;
   (vi) M/s Hariom Ingots & Power Pvt. Ltd., Chattisgarh;
   (vii) M/s J.K Tyre & Industries Ltd, Truck Radial Tyre Plant –II. Mysore;
   (viii) M/s Hindustan Platinum Pvt. Ltd., Navi Mumbai;
   (ix) M/s Aggarwal Card Board Mills, Patiala, Punjab;
   (x) M/s Mittal Card Board Mills, Patiala, Punjab;
   (xi) M/s Vinayak Chemicals, Udaipur, Rajasthan;

   As suggested by the Committee, the following 03 applicants (old cases) were also requested to make presentation before the committee:

   (xii) M/s Gelkaps Sports Pvt. Ltd, Gujarat
   (xiii) M/s Indian Metals & Ferro Alloys Ltd., Bhubneshwar, Orissa;
   (xiv) M/s Aparant Iron & Steel Pvt. Ltd, Goa

3. The applicants listed at (i), (ii), (iii), (iv), (v), (vi), (xii) & (xiii) made technical presentation before the committee. The committee also reviewed some of the old cases alongwith the aforesaid new proposals. The details of the proposals alongwith the recommendations of the committee are given at ***Annexure – II- A & B*** respectively.

4. The recommendations of the committee regarding grant of approval for utilization of hazardous waste subsequent to the trial runs/ inspections by CPCB/SPCB are given at ***Annexure – III***.

5. With regard to the proposals for utilization of Used/Waste Anode butt of Aluminum industry, the Committee opined that the utilization of Used/Waste Anode butt as a supplementary fuel may not be permitted at this stage since such utilization may result in widespread use as substitute of coal/coke in unorganized sector without removing fluoride thus resulting in fluoride emission.

It was, therefore, recommended that utilization of Used/Waste Anode butt, after fluoride removal, may be permitted in manufacturing electrode either in Aluminum industry itself or in ferro-alloys industries or in similar applications.

Further, all the proposals lying with CPCB for utilization of Used/Waste Anode butt may be examined for Consent to Establish/Operate. In case such consents are not for manufacturing Carbon Paste, the proponent may be asked to include the same and the applications processed after such inclusion is made in the Consent to Establish/Operate.

6. Regarding proposal for recovery of solvent from spent solvents, the committee recommended that in case the solvent to be recovered is having boiling point of 100 ^{0}C and above, the unit may use water as cooling medium for condenser whereas for solvent with low boiling point, the unit shall install secondary condenser with chilled water/brine as cooling medium.

7. With regard to proposals for utilization of ETP Sludge from paper industry for manufacturing Card Board/ Mix Board /Mill Board, the committee recommends the TCLP test for organic halides of the ETP Sludge & product manufactured. If the total threshold value of organic halides is within the limit specified in Schedule II of the HWM Rules 2008, "utilization of ETP Sludge may be permitted under Rule 11 of the HWM Rules, 2008".

8. In 02 cases where applicants have not responded even after thirty days period was given to respond, the committee recommended that the applications be deemed to be closed. The details of such cases are given at ***Annexure – IV***.

9. The Meeting ended with vote of thanks to the chair.

Annexure I

CENTRAL POLLUTION CONTROL BOARD
DELHI- 110 032

Date: June 13, 2012

Venue: 2nd Floor, Conference room, Parivesh Bhawan, CPCB, Delhi- 110 032

Fifth Meeting of the Technical Expert Committee for Evaluation of proposal for utilization of the hazardous wastes as a supplementary resource or for energy recovery, or after processing.

List of Participants

S. No	Name	Designation	Member of the Committee / Invitee
1.	Shri R.K. Garg	Former Managing Director, Indian Rare Earths Ltd.	Chairperson
2.	Prof. A.K Nema	Associate Professor, IIT Delhi	Member
3.	Dr. Saroj	Director, HSMD, MoEF	Member
4.	Dr. M. Ravi Kanth	CMD, PDIL	Member
5.	Dr. G.S Dang	Former Sc. F, Indian Institute of Petroleum, Dehradun	Special Invitee
6.	Sh. B. Vinod Babu	Senior Environmental Engineer & I/c HWMD, CPCB, Delhi	Member Convener
7.	Sh. Bharat K Sharma	Senior Environmental Engineer, HWMD, CPCB, Delhi	Invitee
8.	Ms. Deepti Kapil	Assistant Environmental Engineer (HWMD), CPCB, Delhi	Invitee

Annexure II-A

Recommendation of the committee for New proposals for approval under Rule 11 of the Hazardous Waste (Management, Handling & Transboundary) Rules, 2008.

S. No	Name of the Industry	HW as Raw Material & Product	Process	5th TEC Recommendations
1.	M/s Gujarat Terce Laboratories (Old Name M/s Hari Om Metal Industries) S. No 140/P, Village Ramnagar, Ta : Kalol, Distt : Gandhinagar (Gujarat)	Glycerine Foot Wax to be utilized for manufacturing Artifical coal And Copper Etching Residue to be utilized for manufacturing Copper Sulphate	The agro waste like rice husk, saw dust, ground nut shells, castor seeds shells etc. are mixed with fly ash and glycerin foot wax. These are compressed by the Press, forcing it through Tapper Die (Ram Punch) fitted in the die holder. The compression raises the temperature resulting into softening of the Lignin present in Biomass. This Lignin comes to the surface and binds the materials together. Briquettes formed are in the shape of logs which are cut as per required sizes. For utilizing copper etching residue, it is mixed with sulphuric acid and passed through settling tank and further filtered. The mother liquor is passed to the evaporator followed by crystallizing and centrifuging to get the final product as Copper Sulphate. The residue generated from the settling tank and filter process is further used for manufacturing ferrous sulphate.	In respect of Copper etching residue, it was recommended that after installation of Mutli effect Evaporator, the proponent shall inform CPCB and based upon verification of such installation by ZO, CPCB, permission for conducting trial run in presence of CPCB/SPCB officials may be given without referring the same again to the committee. The proponent shall also submit the following information/documents: a) Material balance for utilization of Copper Etching Residue b) Characteristics of Glycerine Foot Wax and Copper Etching Residue. c) Details of quantity of residue generation and its disposal during the process of utilization. d) Details w.r.t flooring & capacity of the Storage and process area. e) Copy of the TSDF membership obtained. Further, in respect of use of glycerine foot wax, the adequacy of the equipment has to be ensured during the trial run.
2.	M/s Malana Silver Nitrate Recycling Unit Village Rampur Gujjaran, Thsil Moonak , Distt-Sangrur (Punjab)	Waste/Spent fixer of X-rays/ photography to be utilized for manufacturing Silver metal	The spent fixer is mixed with caustic soda and precipitated and flocculated with sodium sulphate. This solution is further filtered; the filtrate is evaporated through solar evaporation. The residue from the filtration process is dried and grinded to reduce particle size. This is further heated with charcoal in furnace to get the final product i.e Silver metal.	It was recommended that the proponent shall obtain TSDF membership for disposal of salts generated from solar evaporation and residue generated from the furnace. Upon compliance and submission of the relevant documents as above, permission for conducting trial run in presence of CPCB/ SPCB officials may be given for a period of seven days @ 1.5 KL of Waste/Spent fixer of X-rays/ photography wherein emissions shall be monitored for PM in the furnace stack.

S. No	Name of the Industry	HW as Raw Material & Product	Process	5th TEC Recommendations
3.	M/s Hindustan Platinum Pvt. Ltd., C-122, TTC Industrial Area, Pawane Village, Navi Mumbai-400703	Spent Precious Metal Catalyst to be utilized for manufacturing Precious Metal	Spent catalyst is leached in a reactor to generate metal compounds adopting suitable hydro-metallurgical process.	It was recommended that the proponent shall be called to explain the details of the process alongwith the details of the protection system w.r.t air, water & solid waste and safety system etc. in the next meeting to enable the committee in evaluating the proposal.
4.	M/s Universal Chemical, F-191, Road No. 5, Indraprastha Area Kota- 324005 (Rajsthan)	Spent Solvent / Process residues/Organic residues/Distillation residues to recover solvent	Distillation process by Column Condenser to convert Spent Solvent / Process residues/Organic residues/Distillation residues to pure solvent	The committee observed that the unit has already been granted approval under Rule 11 of the HWM Rules for producing Toluene from High Boiler residue (generated from vinyl chloride monomer production) for which the unit is utilizing water for cooling the condenser. However, the unit intends to utilize other wastes also such as Spent Solvent / Process residues/Organic residues/Distillation residues to recover other solvents. The committee recommended that: (i) The unit shall submit results of the solvent vapor concentration at the condenser vent determined by NABL/EPA accredited laboratory. (ii) As long as the solvent to be recovered is having boiling point of 100^0 C and above, the unit may continue using water as cooling medium in condenser whereas for solvent with low boiling point, the unit shall install secondary condenser with chilled water/brine as cooling medium. (iii) Type/category as per Schedule I of the HWM Rules of each Spent Solvent / Process residues/Organic residues/Distillation residues proposed to be recovered; their boiling point, process and source of generation shall also be specified. Upon receipt of above information, the matter shall be discussed in the next meeting.
5.	M/s Narayani Rail Products Pvt. Ltd., Plot No. 618, Urla Industrial Area Raipur (Chattisgarh) - 493221	Used Anode Butt to be utilized for manufacturing Blended Coke	The bath material as outer surface in the used anode butt is mechanically chipped off followed by crushing and sizing. This material is proportionately mixed with calcined petroleum coke to manufacture blended coke.	It was observed that Consent to Operate is for manufacturing 'Blended Coke'. It was, therefore, recommended that the unit shall submit Consent to operate/establish for 'Carbon paste' as well. Further, the unit shall submit the details w.r.t the end use of the product i.e the purpose and the process where the product will be utilized. Upon submission of above and confirmation from the unit that the plant machinery has been installed, an inspection will be carried out by the Zonal Office of CPCB to verify installation of the same and if found satisfactory, a trial run permission for seven days may be given by CPCB directly without referring to the committee. The quantity of Used/Waste Anode butt for trial run shall be decided as per the quantity specified in the Consent to operate/establish.

S. No	Name of the Industry	HW as Raw Material & Product	Process	5th TEC Recommendations
6.	M/s Swastik Recyclers & Processors B.S.F Road, Village Jagtai (Uttarpatra) P.O Jagtai, Ps Suti Distt- Murshidabad - 742224	Used Anode Butt to be utilized for manufacturing Blended Coke	The bath material as outer surface in the used anode butt is mechanically chipped off followed by crushing and sizing. This material is proportionately mixed with calcined petroleum coke to manufacture blended coke.	The proponent informed that this application may not be considered for the time being as other unit i.e. M/s Narayani Rail Products Pvt. Ltd, Raipur, owned by them, is under evaluation by this committee. The committee, therefore, decided to return the application.
7.	M/s Aggarwal Card Board Mills Sher Majra Road, Near Vishal Paper Mills, Maine (Patiala)	ETP Sludge to be utilized for manufacturing Card/Mill Board	ETP Sludge from Paper Mill is mixed with jute scrap followed by beating and is put in pulper & mixed with water to form pulp. This pulp is further stored in chest under agitation and further fed into mould machine where wet board is moulded. The wet board is sun dried followed by pressing, cutting and packaging.	The committee could not discuss technical aspects as the information sought by CPCB from the applicant vide letter dated 06.06.2012 has not been received. It was recommended that matter may accordingly be processed upon receipt of the above. The committee also recommended that the unit shall submit TCLP test result w.r.t organic halides of the ETP Sludge and, if possible, in product also i.e board manufactured from ETP Sludge alongwith the format as sought vide CPCB letter dated 06.06.2012.
8.	M/s Mittal Card Board Mills, Village Dudhar Maine (Patiala)	ETP Sludge to be utilized for manufacturing Card/Mill Board	ETP Sludge from Paper Mill is mixed with jute scrap followed by beating and is put in pulper & mixed with water to form pulp. This pulp is further stored in chest under agitation and further fed into mould machine where wet board is moulded. The wet board is sun dried followed by pressing, cutting and packaging.	The committee could not discuss technical aspects as the information sought by CPCB from the applicant vide letter dated 06.06.2012 has not been received. It was recommended that matter may accordingly be processed upon receipt of the above. The committee also recommended that the unit shall submit TCLP test result w.r.t organic halides of the ETP Sludge and, if possible, in product also i.e board manufactured from ETP Sludge alongwith the format as sought vide CPCB letter dated 06.06.2012.
9.	M/s Hariom Ingots & Power Pvt. Ltd.., Plot No. 59-60, L.I.A., Bhilai, District-Durg (Chhattisgarh.)	Used Anode Butt o be utilized for manufacturing Steel Ingots & Blended Coke	The bath material as outer surface in the used anode butt is mechanically chipped off followed by crushing and sizing. This material is proportionately mixed with calcined petroleum coke to manufacture steel ingots & blended coke respectively.	It was observed that Consent to Operate is only for manufacturing 'Steel Ingots'. It was, therefore, recommended that the unit shall obtain Consent to operate/establish for 'Carbon paste' and upon obtaining the same, the unit will make a fresh application to CPCB.
10.	M/s J.K Tyre & Industries Limited Truck Radial Plant-II No 437, Hebbal Industrial Area Mysore-570016	Ink sludge to be utilized for energy/resource recovery	5 % Ink Sludge is mixed with coal and incinerated in the boiler.	The committee recommended to permit trial run for a period of seven days for utilization of Ink sludge by mixing it with fuel (coal) @ 5 % by weight in captive boiler, wherein emissions shall be monitored for Heavy metals along with the water leachability test of the bottom ash before & during the trial run period in presence of CPCB/ SPCB officials.
11.	M/s Vinayak Chemicals G 1-21 &22, IA, Sukher,Udaipur (Rajasthan)	Hydro Fluoro Silicic acid to be utilized for manufacturing Ammonium Bi Fluoride	Hydro fluoro silicic acid and ammonia gas is mixed into reactor and maintained at temperature between 16-40 ^{0} C. The material is filtered in a filter press from where the mother	The committee decided to invite proponent to explain the details of the process alongwith the details of the management of waste w.r.t air, water & solid waste and safety system etc. to enable the committee to evaluate the proposal. Further, the applicant shall also provide the following information/documents:

S. No	Name of the Industry	HW as Raw Material & Product	Process	5th TEC Recommendations
			liquor is distilled through vacuum distillation process. This is then centrifuged followed by drying and grinding.	a) Name of the industries to whom the Ammonium Bi Fluoride and precipitated silica will be sold. b) Details of storage facility for Hydro fluoro silicic acid c) Characteristics of Hydro fluoro silicic acid proposed for utilization. d) Characteristics of the product & by product generated. e) Details of waste water characteristics including TDS and Fluoride. f) Treatment/utilization/disposal details of waste water generated during the process. g) Details of sludge disposal.

Recommendation of the Technical Expert Committee on Old Cases for approval under the Rule 11 of the Hazardous Waste (Management, Handling & Transboundary) Rules, 2008

S. No	Name of the Industry	HW utilized & Product manufactured	Process	Background & 5th TEC Recommendations
1.	M/s Gelkaps Sports Pvt. Ltd., Plot No. 265-267, Sector-IV, KASEZ-Gandhidham (Gujarat)	Waste gelatin net to be utilized for manufacturing Paintball (Gelatin based product)	Raw gelatin is melted with glycerol and water inside a jacketed vessel at about 70^{0}C temp and then stabilized at 60 ^{0} C for use in encapsulation machine. The paintball fill is a mix of PEG with soluble food colourants. This is kept at a temp of 30 ^{0} C for use in capsulation machine. The capsulation machine fills the balls and these balls are then taken to the drying for 48 hrs.	After presentation by the applicant, the committee decided that the proponent shall submit the following information/document as already sought vide CPCB letter dated 16.04.2012 : a) Name of the industries to whom the paint ball will be sold b) Details of storage facility for waste gelatin net c) Characteristics of proposed waste gelatin net. d) Characteristics of the product manufactured by mixing with waste gelatin net. e) Details on method of feeding waste gelatin net. Upon compliance and satisfactorily submission of the above mentioned documents, permission for conducting trial run for a period of 7 days @ 5 tons of Waste gelatin net in presence of CPCB/SPCB officials may be given without further referring to the committee.
2.	M/s Aparant Iron & Steel Pvt. Ltd. Dempo House, Campal Panaji, Goa- 403001	Used oil and oil soaked cotton waste as a supplementary resource for mudgun lubrication and furnace top firing process	The oil & cotton waste used during the manufacturing process of pig iron generates used oil & oil soaked cotton process. The applicant proposes to utilize the said waste for mudgun lubrication and supplementary resource in furnace.	The committee observed that the unit has not responded to CPCB's letters dated 09.02.2012, despite reminders dated 09.03.2012 and 05.06.2012 regarding submission of the requisite information/documents and making technical presentation before the Technical Expert Committee (TEC). Accordingly, it was recommended that the matter may be closed and the unit be informed accordingly.
3.	M/s Indian Metals & Ferro Alloys Ltd., IMFA Building, Bhubneshwar, Orissa-754071	Spent resin generated from DM plant to be utilized as a supplementary resource in boiler	Spent resin generated from DM plant is mixed with the coal and used in steam generating boiler for energy recovery.	The committee recommended to grant trial run permission for a period of seven days by mixing Spent resin with coal in steam generating boiler in quantity not more than 0.05% of the coal wherein stack emission monitoring for PM, SOx, and NOx shall be carried out before & during the trial run period in presence of CPCB/ SPCB officials.
4.	M/s Chemtreat Industries, Alwar, Rajasthan	Spent Organic Solvent (Spent Acetone, Spent Ethylene Acetate, Spent IPA, Spent Toluene, Spent Mixture Solvents/Chemicals, Spent organic composite solvents) to recover Pure	Distillation of Spent Organic Solvent by Column Condenser for recovering pure solvent.	The inspection report regarding verification of the plant machinery, received from Zonal Office Bhopal was discussed. The committee recommended that the unit shall take following actions : a) Install secondary condenser with chilled cooling medium b) Install flame proof electrical fittings. c) Submit copy of the license from Department of explosive/safety audit report, if required as per the Rules.

		solvent		Further, the unit should also ensure that the height of vent provided is above the shed. Upon compliance of above and submission of relevant documents & photographs, permission for conducting trial run for a period of seven days @ 25 tons for a mixture of various solvents may be given in presence of CPCB/SPCB officials wherein VOC in the stack and work zone area shall be monitored through NABL/EPA accredited laboratory.

Recommendation of the Technical Expert Committee on Grant of approval after trial run under the provision of Rule 11 of the Hazardous Waste (Management, Handling & Transboundary) Rules, 2008

S. No	Name of the Industry	HW as Raw Material & Product	Background	5th TEC meeting recommendation
1.	M/s Metacast International "Shree Kunj ", Bhalupali Chowk Bohidar Nuapali , P.O. – Sankarma Distt- Sambalpur, Orissa-768006	Waste Anode Butt to be utilized for manufacturing electrode carbon paste for usage in ferro-alloy furnaces.	The inspection report received from Zonal Office Kolkata was discussed by the committee.	It was recommended that a temporary permission for utilization of Waste Anode butt may be given for a period of 3 months for maximum of 28 tons/day with the following conditions: (i) The unit shall monitor fluoride in the exhaust gases/work zone with and without such utilization in ferro-alloys furnace in presence of CPCB/SPCB officials. (ii) The above monitoring shall be done in both cases i.e. carbon electrode paste made with 25% and 50% utilization of Waste Anode butt. (iii) Only carbon electrode paste shall be produced from the cleaned waste anode butts and the records of the same shall be maintained by the unit. The results of the above monitoring shall be submitted to CPCB at the earliest for further consideration of grant of approval under the Rule-11 of HWM Rules. Further, during the permitted period of operation, ZO Kolkata of CPCB shall collect the representative samples of the following and analyze for Cyanide & Fluoride in respect of both TCLP concentration (mg/l) and, if possible, also analyze total concentration in mg/kg: a) Raw Waste Anode Butt crushed homogenously in the crusher installed in the plant. b) Treated anode butt (after removal of bath layer) in Shot Blasting Chamber and crushed homogenously. c) Chipped off material from Shot blaster (which is intended for disposal in TSDF). d) Final Product i.e. Electrode Carbon Paste. The above analysis report shall be discussed in the next committee meeting.
2.	M/s Ravindra Heraeus Pvt. Ltd., A-196, (A),"F" Road, M.I.A, Madri Udaipur - 313003	Spent catalyst (carbon/alumina based) containing silver/ platinum	The inspection report received from Zonal Office Bhopal was discussed by the committee.	The committee observed that as per the monitoring protocol issued vide letter dated 21.12.2011, the analysis report submitted is incomplete w.r.t source emission, ambient air, waste water quality, characteristics of residue generated alongwith the details of

3.	M/s Choski Heraeus [illegible] Ltd., A-195-196,"F" Road, M.I.A, Madri, Udaipur -313003	ETP Sludge containing platinum to be utilized for manufacturing precious metals		quantity of effluent generated etc. It was recommended that the unit shall be asked to submit the above said analysis reports/documents. Upon submission of above said reports, the matter shall be discussed in the next meeting.
4.	M/s Continental Carbon India Limited. A-14, Industrial Area No. 1, (Off NH-24), South Side of G.T. Road,Ghaziabad - 201001 (U.P)	Carbon slurry to be utilized for manufacturing carbon black	As per 2nd TEC meeting held on 03.11.2011, the unit was granted three months temporary permission during which all the emission parameters measured during the trial shall be monitored in the stack through any NABL/EPA accredited laboratory at varying percentage of utilization below 5 % of carbon slurry to the product. The results with utilization of 5 % of carbon slurry to the product have been submitted by the unit and the same was discussed by the committee.	It was recommended to grant approval under Rule 11 of the HWM Rules, 2008 for utilization of carbon slurry (Schedule-I, Sl No. 18.2) generated from NFL, Panipat, for manufacturing of Carbon Black @ 5% of carbon slurry to the product initially for a period of one year.
5.	M/s Indian Steel Corporation Ltd. Survey No.370, Village Bhimasar, Tal. Anjar, Dist. Kachchh-370240(Gujarat)	Spent HCL Acid from pickling unit for manufacturing Hydrochloric Acid Acid (HCL) and Iron Oxide (Fe_2O_3 Powder)	The inspection report received from Zonal Office Vadodara was discussed by the committee.	It was recommended to grant approval under Rule 11 of the HWM Rules, 2008 for utilization of Spent HCL Acid @ 1960 MT/month for manufacturing of Hydrochloric acid & Iron Oxide Powder initially for a period of one year.
6.	M/s Goodwill Inorganics Ltd., E-159-A, Opp.Police Chowki, Mewar Industrial Area, Madri, Udaipur (Rajasthan) - 313003	Hydro Fluoro Silicic acid to be utilized for manufacturing Sodium Silico Fluoride	As per the recommendation of the 3rd TEC meeting on 04.01.2012, the unit was asked to take the following actions vide CPCB letter dated 22.02.2012: a) The unit should provide bag filter so as to arrest particulate matter that may emitted through the exhaust of the hot air drier. b) Provide alkali scrubber in the reactor vessel to prevent emission of HCl that may escape to the environment in the absence of the scrubber. c) Provide the details on the quantity of CaCl2 generated per day, its concentration in the effluent to be discharged to the drain, and its impact. Later, the unit replied vide its letter dated 14.04.2012 which was discussed by	The committee observed that the alkali scrubber & bag filter have yet not been installed by the unit. Accordingly, it was recommended by the committee that the unit shall install alkali scrubber & bag filter. Upon compliance of above and submission of relevant information & photographs, the same shall be verified by ZO Bhopal and if found satisfactory, the unit may be granted approval under the Rule 11 of the HWM Rules @ 4 MT/day of Hydro Fluoro Silicic acid from Single Super Phosphate Plant for manufacturing Sodium Silico Fluoride.

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<tr><td></td><td></td><td></td><td>the committee.</td><td></td></tr>
<tr><td>7.</td><td>M/s Shri Balaji Chemical Industries Plot No. 38, 706, Industrial Area, Nimrani, Tahsil Kasrawad, Dist. Khargone (M.P.)</td><td>Spent Acid/Acid residue to be utilized for manufacturing of (i) Ferrous Chloride (Aqueous Solution) (ii) Ferrous Chloride (Tetra hydrate and anhydrous) (iii)Ferrous Sulphate (Aqueous Solution) and (iv)Ferrous Sulphate (hepta, mono and anhydrous)</td><td>As per the recommendation of the 3rd TEC meeting held on 04.01.2012, the unit was asked to take actions vide CPCB letter dated 23.02.2012.

Accordingly, the unit vide its letter dated 14.04.2012 submitted the relevant documents & photographs and the same were discussed by the committee.</td><td>The committee observed that the unit has provided acid proof floor lining in the process & storage area. Also the solar evaporation has been provided with RCC lined and acid proof brick lining with HDPE sheets for preventing any soil & ground water contamination. However, instead of scrubber, an arrangement has been made to pass the fume through submerged pipe in water, which is not adequate.
It was recommended that a temporary permission for utilization of Spent Acid may be given for a period of 3 months @ 20 tons/day, with the following conditions :
a) Provide layout of the proposed scrubber system alongwith technical specification of the equipment to be installed.
b) The proponent shall also submit an undertaking in non-judicial stamp paper that the scrubber system shall be installed within two months of the date of grant of the temporary permission, failing which CPCB may take action, as deemed fit, and the same shall be acceptable to the proponent.
c) ZO Bhopal shall verify the installation of the scrubber within two months of date of grant of the temporary permission and report be submitted to CPCB Head Office.</td></tr>
<tr><td>8.</td><td>M/s TATA Chemicals Limited, West Bengal</td><td>ETP Sludge by mixing with Gypsum to be used by cement plant

And

Sulfur Sludge as filler in Single Super Phosphate plant</td><td>As per the recommendation of 3rd TEC meeting held on 04.01.2012, permission for utilization of the hazardous wastes as a supplementary resource or energy recovery or after processing granted vide letter dated 27.02.2012.

The unit vide letter dated 29.03.2012 requested to mention the quantities of ETP Sludge & Sulphur Sludge instead of percentage as specified in aforesaid CPCB's apparoval letter dated 27.02.2012. The matter was discussed by the committee.</td><td>The committee recommended to amend the permission granted for utilization as per the details given below :
<table>
<tr><th>Name of the waste</th><th>Category</th><th>Quantity permitted for utilization</th></tr>
<tr><td>ETP Sludge</td><td>Schedule -I, S.No 34.3</td><td>Mixing with phosphogypsum slurry in a proportion not exceeding 15 % of the quantity of phospogypsum generated and limited to maximum utilization of 0.135 MT/day of the ETP Sludge depending on generation of ETP Sludge</td></tr>
<tr><td>Sulphur Sludge</td><td>Schedule –II, Class D-D1</td><td>Mixing with product Single Super Phosphate (SSP) in a proportion not exceeding 0.3 % of the quantity of SSP produced and limited to maximum utilization of 2.78 MT/day of the Sulphur Sludge depending on production generation of SSP</td></tr>
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Annexure IV

Cases for Closure of applications

S.NO	Name of the Industry	5th TEC meeting recommendations
1.	M/s Deccan Chromates Ltd., 8-2-1/4, Sri Nagar Colony Road, Punjagutta, Hyderabad- 500 082	As per the recommendation of the 1st TEC meeting held on 23.09.2011, the unit was given a final opportunity vide CPCB letter dated 09.03.2012 to submit the requisite information within a month failing which the proposal shall be deemed to be withdrawn by the applicant. The unit has not submitted the same. Accordingly, it was recommended that the matter may be closed and the unit be informed accordingly.
2.	M/s Satyam Pharma Chem Pvt. Ltd.,G/A-2, Gold Coin, 35/35A, Tardeo Road Navi Mumbai - 400034	As per the recommendation of the 1st TEC meeting held on 23.09.2011, the unit was given a final opportunity vide CPCB letter dated 12.03.2012 to inform about the preparedness of the unit for conducting the trial run within a month failing which the proposal shall be deemed to be withdrawn by the applicant. The unit has not submitted the same. Accordingly, it was recommended that the matter may be closed and the unit be informed accordingly.