

Central Pollution Control Board
HWM Division, Delhi

Sub: Minutes of the Eleventh 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. The Eleventh 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 21.05.2014. List of the participants is enclosed at **Annexure I**.
2. Shri B. Vinod Babu, I/c HWMD, welcomed the members and invitees of the Committee and informed that the cases which could not be discussed in the 10th meeting of the TEC will be discussed in the meeting including the 4 new cases which have been received for approval for utilization of HW under Rule 11 of the HWM Rules, 2008. The list of cases considered for placing before the TEC is given at **Annexure-II**
3. The recommendations of the committee on the new/old proposals discussed in the meeting are given at **Annexure – III A & B**.
4. The recommendations of the committee based on the findings of the trial runs/ joint inspections carried out by CPCB and SPCB are given at **Annexure – IV**.
5. The recommendations of the committee regarding grant of renewal permission for utilization of hazardous waste subsequent to the inspection by CPCB are given at **Annexure –V**.
6. The cases where applicants have not responded even after thirty days notice period was given to respond, the committee recommended that such cases be deemed to be closed. The details of such cases are given at **Annexure – VI**.
7. The meeting ended with vote of thanks to the Chair.


3.6.2014



Annexure I

**CENTRAL POLLUTION CONTROL BOARD
DELHI- 110 032**

Date: May 21, 2014

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

Eleventh 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.	Shri. K.P. Nyati	-	Member
3.	Dr. Tapan Chakraborty	Ex-Director, National Environmental Engineering Research Institute (NEERI), Nagpur	Member
3.	Dr. I. Haq	Ex- Additional Director, Central Pollution Control Board	Member
4.	Shri R. K. Vashist	Sr. Advisor, PDIL, Noida	Representing Member of the committee on behalf of PDIL
5.	Sh. B. Vinod Babu	Senior Environmental Engineer & i/c HWMD, CPCB, Delhi	Member Convener
6.	Sh. Bharat K Sharma	Senior Environmental Engineer, HWMD, CPCB, Delhi	Invitee
7.	Sh. G. Rambabu	Assistant Environmental Engineer (HWMD), CPCB, Delhi	Invitee
8.	Ms. Deepti Kapil	Assistant Environmental Engineer (HWMD), CPCB, Delhi	Invitee

Handwritten signatures:
Ruhang
[Signature]
[Signature]
[Signature]

Annexure-II:

The list of applications placed for discussion in the 10th meeting of TEC

I. List of new cases (all called for technical presentation)

S.No	Name of the Industry
1.	M/s Green Energy Resources, Shanti Nagar Road, Near-Furniture Point, Budharaja, Sambalpur, Odisha-768004
2.	M/s Cairn India Ltd., Mangala Processing Terminal (MPT), village Ngana, Tehsil Barmer, District Barmer, Rajasthan
3.	M/s ECO Management and Protection Services, F-33, RIA, Kaharani, Distt- Alwar, (Rajasthan)
4.	M/s Arth Metallurgicals Pvt. Ltd., P.H.No.-95/12.Kh No.-226/1, Village Lalpur, Teh & Dist Raipur (C.G)
5.	M/s Manglam Ceramic Pvt. Ltd. Survey No. 120, Village Jakhar, Teh : Jamnagar, Gujarat
6.	M/s Metakani Resources, Jhunjhunwala House, Nandpara, Sambalpur, Odisha-768001
7.	M/s Hindalco Ind. Ltd, At/Po- Lapanga, Near SH-10, Distt-Sambalpur (Odisha)
8.	M/s Metakani Metals, Jhankarpali, Sambalpur, Odisha-768001
9.	M/s Hirakund Metalics, Naukhuri Gaon Sason, Sambalpur, Odisha-768001
10.	M/s Godawari Power & Ispat Ltd., Plat no 428/2, Phase I, Industrial Area, Siltara,Raipur-493111 (C.G)
11.	M/s Tata Sponge Iron Ltd., PO Joda Dist Keonjhar, Odisha-758034

II. List of old cases (called up for presentation as decided in earlier TEC meeting)

- (i) M/s Wecycle Inc. Rajasthan
- (ii) M/s Vinayak Chemicals, Gujarat
- (iii) M/s SAR Chanda Environ Solutions Pvt. Ltd, Andhra Pradesh.

III. The list of cases pertaining to renewal;

- (i) M/s Metacast International, Bohidamuapali, P.O. Sankarna, Sambalpur, Odisha
- (ii) M/s Weston Electro Carbon & Graphite Products, Korba, Chhattisgarh
- (iii) M/s Continental Carbon India Limited, Ghaziabad -201001 (U.P)

IV. The list of cases pertaining to grant of approval for a period of one year;

S. No	Name of the Industry
1.	M/s Howrah Chemicals & Solvent, P.O. Dakhin Jhparah, Howrah - 5
2.	M/s Chemtreat Industries, G-1, 346, Rico Industrial Area, Chopanki, Bhiwadi- 301019, Distt. Alwar Rajasthan
3..	M/s Bansal Paper Board Mills, Abohar Road, Village Mahabahdar, Distt. & Tech. Muktsar, Punjab
4.	M/s Shubhra Chemicals, Room no. - 77, 1st Floor, O.M.P. market complex,Cuttack - 753003, Odisha

V. The list of cases pertaining to withdrawal of the proposal;

S.NO	Name of the Industry
1.	M/s Aggarwal Card Board Mills, Sher Majra Road, Near Vishal Paper Mills, Maine (Patiala)
2.	M/s Mittal Card Board Mills, Village Dudhar Maine (Patiala)
3.	M/s Vinayak Chemicals, G 1-21 & 22, IA, Sukher,Udaipur (Rajasthan)
4.	M/s Shakti Paper & Board Mills, Village Reehla Tehsil Farshshankar, Distt- Hoshiarpur
5.	M/s GKB Rx Lens Pvt Ltd., Plot A-15, Infocity, Sector 34, Gurgaon
6.	M/s Easy Chemicals, E -71B, Mewar Industrial Area, Udaipur-313001, Rajasthan
7.	M/s Jay Agro Industries, Plot No 5805, GIDC Estate, Ankleshwar Distt -Bharuch, Gujarat-393002

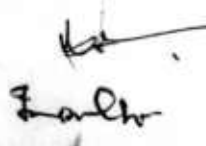
[Handwritten signatures and initials]


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	Recommendations
1.	M/s Green Energy Resources Shanti Nagar Road, Near-Furniture Point, Budharaja, Sambalpur, Odisha-768004	Spent Pot Lining to be utilized for manufacturing of Industrial Carbon Fuel	SPL is broken mechanically into small pieces (100 to 300) and processed in crushing section to reduce the size to 15 mm and transferred to rotary furnace kiln (400°C). After this the SPL is fed to hydro reactor cooler. The hydro reactor is decanted for further treatment with lime to form finished product.	<p>The committee was informed that the processing for utilization of SPL as supplementary fuel in cement kiln has been developed by JNARDDC, Nagpur for which financial support has been provided by NALCO.</p> <p>The proponent has entered into an agreement with NALCO.</p> <p>Based on the process description, the committee recommended the following;</p> <ol style="list-style-type: none"> 1. Inspection of the facility once the information is received from the project proponent about completion of installation of requisite facilities. 2. On receipt of satisfactory inspection report, permission may be granted, without further referring to this committee, for 45 days of trial processing of SPL up to 2500MT during which CPCB & SPCB team may visit and monitor the operation. 3. The findings of trial run may be placed before this committee for further consideration.
2.	M/s Cairn India Ltd. Mangala Processing Terminal (MPT), village Ngana, Tehsil Barmer, District Barmer, Rajasthan	Drill cutting oil & Water Based Mud to be utilized as Sub- grade material for roads, hydrocarbon well pads, etc. Soil Stabilization of green belt development	-	The committee observed that the drill cuttings from the drilling operations will be mixed with ordinary soil and will be used in construction of well pad. The committee also observed that only contaminant in the drill cuttings could be from the drilling mud to the extent of a maximum of 0.25%. Further the mud used

 Rulang
 Marked
 Rulang

S.No	Name of the Industry	HW as Raw Material & Product	Process	Recommendations
				<p>is only water based.</p> <p>From the reports provided by the applicant, the committee is of the view that there is no likely hood of contamination of the groundwater as a result of this utilization.</p> <p>The committee therefore recommended use of water based mud drill cuttings for use in the construction of the well pads. However, drawings showing the cross of the well pad may be obtained and also typical analysis of bagtes used in the drill mud particularly w.r.t As, Cr, Pb, Hg and Cd.</p>
3.	M/s ECO Management and Protection Services F-33, RIA, Kaharani, Distt- Alwar (Rajasthan)	<p>Grinding Sludge Paint Sludge ETP Sludge to be utilized for manufacturing Briquette</p> <p>Cotton Waste (Used hand gloves, Oily rages etc.) to be utilized as Reusable Hand gloves, rags etc</p> <p>Discarded Containers to be utilized as Re-usable containers</p>	-	<p>The committee was informed that various types of wastes such as grinding sludge, ETP sludge, Cotton gloves, Rags etc generated from automobile manufacturing industry would be processed. However there was no clarity about the usable items / products to be obtained from wastes and the processing involved.</p> <p>It was also informed that he they have no consent from SPCB.</p> <p>The committee therefore could not consider the case.</p>
4.	M/s Arth Metallurgical Pvt. Ltd., P.H.No.-95/12.Kh No.- 226/1, Village Lalpur, Teh & Dist Raipur (C.G)	Spent Pot Lining to be utilized for manufacturing Casting powder	SPL is crushed into small pieces followed by treatment with caustic soda and water which is further filtered. The liquid containing fluoride is further treated with calcium and further filtered to get CaF ₂ . The filtered which is in wet form is dried using dryer to get final product i.e. Casting powder	<p>After presentation, the committee suggested the following;</p> <ul style="list-style-type: none"> - A fresh analysis of SPL for both leachable and total concentration of CN, Nitride and F - A revised scheme of processing along with air pollution control and effluent disposal systems. - The characteristic of the final product particularly in respect of leachable F and CN and its application. <p>Upon submission of the above, the matter may be</p>



S.No	Name of the Industry	HW as Raw Material & Product	Process	Recommendations
				placed before this committee for evaluation.
5.	M/s Manglam Ceramic Pvt. Ltd. Survey No. 120, Village Jakhar, Teh : Jamnagar Gujarat	Spent catalyst to be utilized for manufacturing TiO_2 powder	Spent catalyst is spread out on drying platform and dried under natural sun light followed by calcinations. Calcined material are undergoes micronising (powdering) in micronising unit to produce the final product	The committee observed that the process followed by the proponent is drying, calcination and micronizing. The product is reported to be used in the ceramic industry. From the composition it is seen that product contain about 20 % sodium chloride which is not hazardous constituent. The committee recommended the proposal subject to inspection of the unit for trial utilization study.
6.	M/s Metakani Resources Jhunjhunwala House, Nandpara, Sambalpur, Odisha-768001	Used Anode Butt to be utilized for manufacturing Carburiser	The unit has already been granted permission for utilization of Used Anode Butt for manufacturing Electrode Carbon Paste. However, the unit proposes to manufacture carburizer by utilizing used anode butt in the same plant by mixing cleaned anode butt with calcined petroleum coke in a ratio of 1:1.	The committee recommended permission for manufacturing carburiser subject to the following* 1. Verification of enhanced capacity and related facilities by CPCB. 2. Inspection/ Monitoring by CPCB at the time of use of the material as carburizer at the user end.
7.	M/s Hindalco Industries Ltd At/Po- Lapanga, Near SH-10 Distt Sambalpur (Odisha)	Cleaned Anode Butts to be utilized for manufacturing Green Anodes	The cleaned anode butt from other smelter unit will be utilised for manufacturing green anode.	Committee observed that spent anode butts generated from the sister concern (Smelter) unit at Hirakud will be brought to Aditya Aluminium where they have facility for production of green anodes with anode baking furnace. Since the facility at Aditya Aluminium is already existing for use of spent anode butt for producing pre-baked anodes, the committee recommends the proposal.
8.	M/s Metakani Metals Jhankarpali, Sambalpur, Odisha-768001	Aluminium dross to be utilised for manufacturing of Aluminium ingots	The aluminium dross is grinded, screened and melted in coke fired small oven to produce Ingots.	The committee observed that the process of recovery of aluminium metal from aluminium dross is physico-mechanical. Moreover, the proponent had been carrying out this activity earlier. The committee therefore recommended utilization of
9.	M/s Hirakund Metalics Naukhuri Gaon Sason, Sambalpur, Odisha-768001			

[Handwritten signature]

[Handwritten signature]

Rubang

[Handwritten signature]

S.No	Name of the Industry	HW as Raw Material & Product	Process	Recommendations
				aluminium dross for recovery of aluminium metal subject to inspection by CPCB team. However, the residue after recovery of Al metal as at present has to be considered as hazardous waste (can be disposed only at TSDF), till such time the alternative usage is permitted by this committee.
10.	M/s Godawari Power & Ispat Ltd. Plat no 428/2, Phase I Industrial Area, Siltara Raipur-493111 (C.G)	Waste water to injected in after burner chamber of sponge iron process	The scrubber bleed water will be use for cooling the flue gases generated from the kilns in the after burning chamber by mixing it with fresh water.	It was observed that injection of phenolic wastewater at after-burning chamber with temperature around 1200 C will ensure complete destruction of organic matter in effluent. The committee therefore recommends for conducting trial utilization for a period of seven days. Upon receipt of trial utilization report, the matter may be placed before this committee.
11.	M/s Tata Sponge Iron Ltd. PO Joda Dist Keonjhar Odisha-758034	Spent resin to be utilised as a supplementary resource in captive kiln	The waste resin generated from the DM plant will be used as supplementary fuel in the rotary kiln.	It is reported only 20 Kg of spent resin per annum will be utilized as a supplementary fuel in captive kiln. Since the quantity is less and no adverse emissions are expected from kiln, the committee recommends grant of approval for utilization of Spent resin to be utilised as a supplementary resource in captive kiln.

***While considering this case the committee was informed that the units which had obtained permission for use as carburiser but had not been able to show its use at the user end even after expiry of permitted period, all such units may be issued a show - cause notice as to why their permission granted earlier should not be withdrawn.**

[Signature]

Rohang

[Signature]

[Signature]

[Signature]

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

S. No	Name of the Industry	HW utilized & Product manufactured	Background	Recommendations
1.	M/s SAR Chanda Environ Solutions Pvt. Ltd. Plo No. 4B/1, APIIC Industrial Park, Vakalapudi, Kakinada East Godavari- 533005	Drill cutting/ Residual synthetic oil based mud/drilling waste disposed in landfill is intended for utilization in road making.	The committee in the 9th TEC meeting did not agree in principle with the proposal for utilizing the disposed (presently stored in landfill) Drill cutting/ oil based mud/drilling waste in view of high soluble salts. However, it was recommended that the proponent may submit proposal for utilization of freshly treated Drill cutting/ oil based mud/drilling waste wherein TCLP test report of both treated and un-treated drill cutting/ oil based mud/drilling waste as per Schedule II of HWM Rules including the parameters pertaining to hydrocarbon compounds shall also be submitted to CPCB. Accordingly, the unit submitted the proposal which may be discussed in the meeting.	The committee observed that the treated oil based cuttings contains soluble salts which may leach while utilizing in road making. Moreover, the oil content is still upto 1 %. The committee therefore observed that the proposal is not environmentally sound utilization. The committee however suggest that utilization of oil based cuttings without acid treatment may be explored in cement kilns.
2.	M/s Wecycle Inc E -72, Riico Growth Center, Dholpur, Rajasthan-	Spent Pot Line (SPL) to be utilized for manufacturing Carbon Additives Flux	The committee in its earlier meeting suggested to give another opportunity to appear in the next meeting of this committee along with representative of user industry (who is prospective utilizer of proposed product made from Spent Pot Line). Accordingly the unit was informed.	The committee observed that despite of several opportunities given to the proponent, no response has been received from the unit. The committee therefore recommended that the matter may be closed and the unit be informed accordingly.
3.	M/s Vinayak Chemicals Plot No. 330/A, Road No. 33, GIDC, Sachin - 394230, Dist - Surat (Gujarat)	Iron sludge/grinding sludge to be utilized for manufacturing Ferrous Sulphate	The committee recommended to give another opportunity to appear in the next meeting of this committee along with details sought vide CPCB letter dated 29.11.2013. The unit vide email dated 05/05/2014 intimated that they will submit fresh application after installation of the facility.	The committee recommended that the matter may be closed and the unit be informed accordingly.

Handwritten signature

Handwritten signature

Handwritten signature

Handwritten signature

Handwritten signature


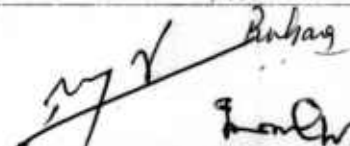
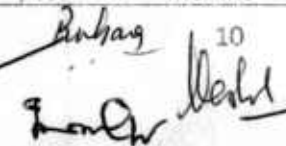
Annexure IV

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	Recommendations
1.	M/s Howrah Chemicals & Solvent Domjur Amta Road, Dakhinbary, P.O. Dakhin Jhparah, Howrah - 5	Waste solvent to be utilized for manufacturing of Distilled mixed solvents	In compliance with earlier recommendations of the committee, the unit was jointly visited by the officials of CPCB and West Bengal SPCB. The inspection report received from CPCB Zonal Office may be discussed for grant of approval for an initial period of one year.	The committee recommended grant of permission for utilization of only high boiling point (i.e. > 110°C) spent solvents (Sl. No. 20.2 and 28.5 of the Schedule I of the HWM Rules 2008) @ 100 KL/month for a period of one year with following conditions: <ol style="list-style-type: none">1. The vent of the underground storage tank should be vented through the existing condenser.2. The unit shall submit the quantity and characteristics of wastewater being used for gardening or at the point of discharge.3. All personnel involved in the plant operation shall wear proper personal protective equipments such as masks, safety4. The unit shall ensure all the discarded/used drums/barrels are either sent back to the unit from where the material is procured or to the facility authorized by CPCB for cleaning/washing of used drums/barrels or to TSDF.
2.	M/s Chemtreat Industries G-1, 346, Rico Industrial Area, Chopanki, Bhiwadi- 301019 Distt. Alwar Rajasthan	Recovery of Solvent from Spent Organic Solvent (Spent Acetone, Spent Ethylene Acetate, Spent IPA, Spent Toluene, Spent Mixture Solvents/Chemicals, Spent organic composite solvents)	In compliance with earlier recommendations of the committee, the unit was jointly visited by the officials of CPCB and Rajasthan SPCB. The inspection report received from CPCB Zonal Office may be discussed for grant of approval for an initial period of one year.	The committee recommended to grant permission for utilization of Spent Solvent (Sl. No. 20.2 and 28.5 of the Schedule I of the HWM Rules 2008) @ 60 MTA for a period of one year with following conditions: <ol style="list-style-type: none">1. The vent of the underground storage

[Handwritten signatures and initials]

S. No	Name of the Industry	HW as Raw Material & Product	Background	Recommendations
				<p>tank should be vented through the existing condenser.</p> <p>2. The unit shall submit the quantity and characteristics of wastewater being used for gardening or at the point of discharge.</p> <p>3. All personnel involved in the plant operation shall wear proper personal protective equipments such as masks, safety</p> <p>4. The unit shall ensure all the discarded/used drums/barrels are either sent to back to the unit from where the material is procured or to the facility authorized by CPCB for cleaning/washing of used drums/barrels or to TSDF.</p>
3.	M/s Bansal Paper Board Mills Abohar Road, Village Mahabahdar, Distt. & Tech. Muktsar, Punjab	ETP Sludge to be utilized for manufacturing card board	The unit was granted permission for utilization of ETP Sludge vide our letter dated 31.12.2012 having validity till 30.12.2013 and further requested to extend the aforesaid permission stating that no utilization of ETP Sludge was carried out during the aforesaid permitted period. Accordingly, the matter may be discussed for extension of the aforesaid permission.	The committee recommended to extend validity of the permission granted for a further period of one year.
4.	M/s Shubhra Chemicals Room no. - 77, 1st Floor, O.M.P. market complex, Cuttack - 753003, Odisha	Spent Pot Lining (SPL) to be utilized for manufacturing Fuel grade Carbon	In compliance with earlier recommendations of the committee, the unit was jointly visited by the officials of CPCB and Odisha SPCB. The inspection report received from CPCB Zonal Office may be discussed for grant of approval for an initial period of one year.	<p>The committee observed that wet method for removal of cyanide was adopted in place of earlier proposal of heat treatment, thereby high TDS effluent is expected to generate as bleed water after few cycles of recycling.</p> <p>It is recommended that initial utilization of SPL for manufacturing fuel grade carbon and CaF_2 as by-product may be permitted for 4 months @450</p>

S. No	Name of the Industry	HW as Raw Material & Product	Background	Recommendations
				<p>MT/month subject to the following;</p> <ol style="list-style-type: none"> The unit shall install suitable facility for management of bleed water. The unit shall install suitable facility to ensure crushing and pulverizing operations in closed systems with provision of mechanized handling of SPL. Augment the existing bag filters with suitable stack and ID fan. The unit shall submit name of the industries who would be utilizing CaF_2 and fuel grade carbon. <p>During the aforesaid period, sampling shall be carried out by CPCB team and analysis be carried out at CPCB's laboratories.</p> <p>Extension of permission upto one year may be considered upon satisfactory findings of the CPCB's monitoring.</p>

[Signature]

Rubang

[Signature]

[Signature]
[Signature]



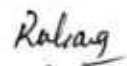
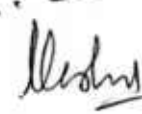
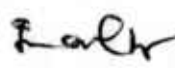
Annexure V

Recommendation of the Technical Expert Committee on Renewal Permission of Grant 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	Recommendations
1.	M/s Metacast International Bohidarnuapali, P.O. Sankarma, Sambalpur - 768006	Used Anode Butt to be utilized for manufacturing Electrode Carbon Paste	These units were initially granted one year permission for utilization of respective hazardous waste. The applications for renewal of permission were forwarded to CPCB Zonal Office for inspection/verification and submit report along with recommendations.	<p>The committee reviewed the inspection report of Zonal Office, CPCB.</p> <p>Accordingly, renewal permission of 5 years validity may be granted for utilization of Used Anode Butt @ 28 tons/day to manufacture Electrode Carbon Paste with the conditions as stipulated in earlier permission.</p>
2.	M/s Weston Electro Carbon & Graphite Products Unit II, Plot No.32-63, Rajgamar Road Industrial area, Korba Chhattisgarh-495677	Used anode Butt to be utilized for manufacturing Carbon Electrode Paste, Tamping paste & Carbon block and Carbon coke for usage in Ferro alloy furnaces.	The report on the same has been received and the matter is placed before the committee to discuss grant of renewal permission.	<p>The committee reviewed the inspection report of Zonal Office, CPCB.</p> <p>The committee observed that there is no Common TSDF in Chhattisgarh and the authorization issued by Chhattisgarh Environment Conservation Board permitted for on-site storage of hazardous waste for maximum period of 90 days or a maximum quantity of 10 MT.</p> <p>Accordingly, renewal permission may be granted for utilization of Used Anode Butt @ 28 tons/day to manufacture Electrode Carbon Paste for period of 05 years provided Chhattisgarh Environment Conservation Board permits storage of shot blast residue beyond 90 days and quantity beyond 10 metric ton.</p>
3.	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		The committee recommended renewal of permission with validity period of 5 years for utilization of carbon slurry (Schedule-I, SI No. - 18.2) generated from NFL, Panipat, for manufacturing of Carbon Black @ 5% of carbon slurry to the product, upon completion of following;

Handwritten signatures and initials:
12
Rabang
Mishra
Rabang

S. No	Name of the Industry	HW as Raw Material & Product	Background	Recommendations
				<p>i. Install mechanized handling & mixing of spent carbon with water for slurry preparation.</p> <p>ii. Install separate storage facility with suitable floor, slope, seepage collection pit, loading /unloading space for handling spent carbon. Collected seepage shall be pumped to mixing vessel.</p>

Cases for Closure of applications

S.No	Name of the Industry	Recommendations
1.	M/s Aggarwal Card Board Mills Sher Majra Road, Near Vishal Paper Mills, Maine (Patiala)	The committee was informed that a letter has been received from the unit about withdrawal of application. It was recommended to close the case and the concerned State Board may be informed accordingly.
2.	M/s Mittal Card Board Mills, Village Dudhar, Maine (Patiala)	
3.	M/s Vinayak Chemicals G 1-21 & 22, IA, Sukher, Udaipur (Rajasthan)	The committee was informed that w.r.t trial run permission granted to the unit, a letter has been received from ZO Bhopal that the unit was closed during the visit. Further, the unit intimated about withdrawal of the application and all the plant machineries has been dismantled. It was recommended to close the case and the concerned State Board may be informed accordingly.
4.	M/s Shakti Paper & Board Mills, Village Reehla Tehsil Farhshankar, Distt- Hoshiarpur	The unit was given a final opportunity vide CPCB letter dated 22.11.2012 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.
5.	M/s GKB Rx Lens Pvt Ltd. Plot A-15, Infocity, Sector 34, Gurgaon	The unit was given a final opportunity vide CPCB letter dated 01.06.2012 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.
6.	M/s Easy Chemicals E -71B, Mewar Industrial Area, Udaipur-313001, Rajasthan	The unit was given a final opportunity vide CPCB letter dated 20.02.2014 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.
7.	M/s Jay Agro Industries Plot No 5805, GIDC Estate, Ankleshwar Distt -Bharuch, Gujarat-393002	The unit was given a final opportunity vide CPCB letter dated 26.03.2014 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.

Handwritten signatures and initials, including a large signature that appears to be 'Rakesh' and another signature that appears to be 'Ankur'.