



Regional Office
U.P. Pollution Control Board,
Avas Vikas Colony,
1-A/I.N.S.-1, Bauddh Vihar, Delhi Road,
District- Moradabad, Pin-244001

Notice for Expression of Interest (EOI)

Hon'ble National Green Tribunal (NGT) has ordered the environmentally safe disposal of black powder (Approx quantity =25000 MT) dumped on the bank of river Ramganga at Moradabad. This black powder is the processing waste of different metal extraction processes. The Analysis of this black powder by Indian Institute of Toxicology Research (IITR), Lucknow has found the presence of various heavy metals. Concentration of these heavy metals as reported are :- A. Chromium (Cr) - 19.80 mg./ kg. to 78.48 mg./ kg. B. Cadmium (Cd) - 0.00 mg./ kg. to 16.37 mg./ kg. C. Copper (Cu) - 434.09 mg./ kg. to 24310.53 mg./ kg. D. Lead (Pb) - 201.31 mg./ kg. to 4710.96 mg./ kg. E. Nickel (Ni) - 22.59 mg./ kg. to 465.89 mg./ kg. F. Managanese (Mn) - 991.08 mg./ kg. to 4935.35 mg./ kg. G. Zinc (Zn) - 1481.66 mg./ kg. to 3264.30 mg./ kg.

U.P. Pollution Control Board on behalf of committee constituted by Hon'ble NGT hereby invites Expression of Interest from registered E-waste recyclers/ metal processing units/ others like organizations for disposal of above quoted black powder, who has the facility for extraction of such metals/ utilization of waste adopting safe environmental practices. Interested parties may collect the sample & inspect the site which would be facilitated on request (Contact person Mr. Rajpoot Mobile- 7839891699, Mr. Vijay Mobile - 7839891695). Other details can be accessed at www.uppcb.com.

Interested parties may sent their EOI along with copies of Registration with Pollution Control Board & other details depicting their terms & conditions involving technical & financial aspects, EOI along with necessary documents should reach at the above mentioned office address or at E-mail ID - romoradabad@uppcb.com before 17:30 Hrs. on 27.06.2017.

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मुरादाबाद-रामगंगा नदी के तटीय क्षेत्र पर डम्प ब्लैक पाउडर का विवरण:

क्र.सं.	स्थल का नाम व विवरण	अक्षांश/देशांतर	अनुमानित मात्रा (घन मीटर)	स्पेसिफिक ग्रेविटी	मात्रा (कि.ग्रा.)
1.	लाल बाग, निकट काली मन्दिर, काली मन्दिर के उत्तर दिशा में	28°50'33.9" N 78°47'16.6" E	9950.00	0.96	9552000
2.	दसवां घाट	28°50'57.6" N 78°46'50.0" E	975.00	0.70	683000
3.	नवाबपुरा, मल्लाह घाट	28°50'39.4" N 78°47'13.7" E	4650.00	0.97	4511000
4.	बरवलान, गली नं.-5, मौलवी वाली मस्जिद वाली गली	28°49'54.8" N 78°47'44.6" E	10011.00	0.96	9611000
	योग		25586.00		24357000

Parameter	I Bank of river R/G Lalbagh	II Bank of river R/G L Daswa ghat	III Bank of river R/G Nawab Pura	IV Bank of river R/G Barbalah
Specific Gravity	0.96	0.70	0.97	0.96
Poly Chloro Biphenyls (PCBs)	Conc (µg/kg)	Conc (µg/kg)	Conc (µg/kg)	Conc (µg/kg)
PCB28	1.943	0.011	0.013	0.017
PCB52	0.203	0.006	<0.005	<0.005
PCB101	0.057	0.105	0.096	0.108
PCB138	0.043	0.008	<0.005	<0.005
PCB152	0.036	0.001	<0.005	<0.005
PCB180	0.020	<0.005	<0.005	<0.005
PCB209	0.027	<0.005	<0.005	<0.005
Poly Aromatic Hydrocarbons (PAHs)	Conc (µg/kg)	Conc (µg/kg)	Conc (µg/kg)	Conc (µg/kg)
Naphthalene	0.080	0.415	0.171	0.849
Acenaphthylene	0.081	0.069	0.060	0.056
Acenaphthene	0.011	<0.005	<0.005	0.013
Fluorene	<0.005	<0.005	<0.005	<0.005
Phenanthrene	0.369	0.064	0.013	0.024
Anthracene	0.040	0.014	0.004	0.006
Fluoranthene	0.065	<0.005	<0.005	<0.005
Pyrene	<0.005	<0.005	<0.005	<0.005
Benz(a)anthracene+Chrysene	0.317	0.004	<0.005	0.003
Benz(b)fluoranthene	0.207	<0.005	<0.005	<0.005
Benzo(k)fluoranthene	0.087	<0.005	0.013	0.020
Benz(a)pyrene	0.082	0.019	<0.005	<0.005
Dibenz(a,h)anthracene	<0.005	<0.005	<0.005	<0.005
Benz(ghi)perylene	<0.005	<0.005	<0.005	<0.005
Indeno(123cd)pyrene	<0.005	<0.005	<0.005	<0.005
Organochlorine Pesticides	Conc (µg/kg)	Conc (µg/kg)	Conc (µg/kg)	Conc (µg/kg)
a-HCH	<0.0001	0.0010	<0.0001	<0.0001
b-HCH	0.0480	0.0070	0.0010	0.0020
g-HCH	<0.0001	<0.0001	<0.0001	<0.0001
d-HCH	0.0010	<0.0001	<0.0001	0.0030
Aldrin	0.0480	0.0010	0.0020	<0.0001
a-Endosulfan	0.0010	<0.0001	<0.0001	<0.0001
pp-DDE	<0.0001	0.0150	<0.0001	0.0010
b-Endosulfan	0.0390	<0.0001	0.0020	<0.0001
pp-DDD	0.0020	<0.0001	<0.0001	<0.0001
op-DDT	0.0020	0.0020	<0.0001	<0.0001
pp-DDT	<0.0001	0.0020	<0.0001	0.0010
Poly Brominated Diethyl Ethers (PBDEs)	Not Detected in any samples			


 15/6/17

Concentration of metals in mg/kg	Locations			
	I Bank of river R/G Lalbagh	II Bank of river R/G L Daswa Ghat	III Bank of river R/G Nawab Pura	IV Bank of river R/G Barbalah
				76.19
Chromium	78.48	19.80	36.24	
Cadmium	16.26	0.00	16.37	3.17
Copper	12765.75	434.09	19780.87	24310.53
Lead	217.32	201.31	3814.43	4710.96
Nickel	181.20	22.59	465.89	455.39
Manganese	3377.71	991.08	4935.35	3140.64
Zinc	3046.89	1481.66	3241.53	3264.30

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15/6/17