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5/3/2015

BEFORE THE NATIONAL GREEN TRIBUNAL AT NEW DELHI
ORIGINAL APPLICATION NO. 199 OF 2014

IN THE MATTER OF:

Almitra H. Patel & Ors.

....Applicants

VERSUS

Union of India & Ors.

....Respondents

AND

IN THE MATTER OF:

Madhya Pradesh Pollution Control Board

....Respondent

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DATE: 05.03.2015

FILED BY:

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6209

BEFORE THE NATIONAL GREEN TRIBUNAL AT NEW DELHI

ORIGINAL APPLICATION NO. 199 OF 2014

IN THE MATTER OF:

Almitra H. Patel & Ors.

....Applicants

VERSUS

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AND

IN THE MATTER OF:

Madhya Pradesh Pollution Control Board

....Respondent

AFFIDAVIT/STATUS REPORT ON BEHALF OF THE MADHYA
PRADESH POLLUTION CONTROL BOARD/RESPONDENT IN
COMPLIANCE OF ORDER DATED 05.02.2015

Most Respectfully Showeth:

(1) That, the Hon'ble Tribunal vide its order dated 05.02.2015 passed in the abovementioned matter was pleased to direct the Central Pollution Control Board (CPCB) to formulate a national policy dealing with collection and disposal of municipal solid waste and the State Governments, U.T.'s and their respective Pollution Control Boards shall take in to consideration the policy so framed by the CPCB while preparing the status report/suggestions with regard to collection and disposal of the municipal solid waste. A copy of the order dated 05.02.2015 passed by the Hon'ble Tribunal

in O.A. No. 199 of 2014 is annexed herewith and marked as ANNEXURE A - 1.

(2) That, the answering Respondent most respectfully submits that Rule 4 of the Municipal Solid Wastes (Management and Handling) Rules, 2000 (hereinafter referred as 'Rules of 2000'), specifically provides that it is the duty of the municipal authority for implementation of the rules and for any infrastructure development for collection, storage, segregation, transportation, processing and disposal of the municipal solid wastes. Rule 5 of the Rules of 2000 specifies that it is the duty of the District Magistrate or the Deputy Commissioner of the concerned district to enforce the provisions of these rules. Rule 5 (2) of the Rules of 2000 casts upon a duty on the District Magistrate or the Deputy Commissioner of the concerned district for the enforcement of the provisions of the Rules of 2000 within their territorial limits. Rule 6 of the Rules of 2000, casts upon a duty on the State Pollution Control Board (Madhya Pradesh Pollution Control Board in the present case) to monitor the compliance of the standards regarding ground water, ambient air, leachate quality and the compost quality including incineration standards as specified under Schedules II, III and IV.

(3) That, the steps taken by the Madhya Pradesh Pollution Control Board (MPPCB) for compliance of the Municipal Solid Wastes (Management and Handling) Rules, 2000 are as follows:

(a) That, the Annual report for 2013-14 in terms of Rule 8 of the Rules of 2000 has already been submitted to CPCB and for the year 2014-15, the report is under preparation as information is being collected from local bodies.

(b) M. P. Pollution Control Board is monitoring water and ambient air quality for some of the local bodies near municipal waste dumping site. It is mentioned that in absence of operation of complete MSW facility in accordance with MSW Rules, 2000 monitoring at all dumping sites could not be taken. However, all Regional Offices have been directed to continue water quality monitoring in the close vicinity of existing MSW dump area.

A true and typed copy of the Monitoring Report prepared by the MPPCB with respect to water and ambient air quality for some of the local bodies near municipal waste dumping site is annexed herewith and marked as ANNEXURE A - 2.

(c) That, the field offices have started rigorous monitoring around the dump sites all over the state and forwarding the monitoring reports to District Collector.

A true copy of the Monitoring Report prepared by the MPPCB pertaining to dump sites is annexed herewith and marked as ANNEXURE A - 3.

(d) The monitoring result reveals that respirable suspended particulate matter (RSP) exceed the permissible limits for ambient air for most of the time at locations. But level of oxides of sulphur and nitrogen (So₂ and NO_x) are rarely exceeded. This increase must be due to intentional or unintentional burning of MSW at disposal dump sites. The ground water quality at most locations is well within the limits for most of the parameters and is rarely exceeded the prescribed norms. But in the long time the unscientific disposal of the waste is likely to deteriorate and pollute the ground water quality in and around the non scientific disposal of MSW.

(e) That, the answering Respondent/MPPCB has conducted good numbers of workshops, interaction meets, rallies for creating awareness in order to sensitize public and municipal authorities to guide them at all levels for better compliance of MSW Rules, 2000. These workshops, interaction meets, rallies have been conducted at State, Districts, Block centers etc.

A copy of the chart indicating the workshops conducted by the MPPCB is annexed herewith and marked as ANNEXURE A - 4.

(f) That only 68 local bodies have submitted Annual report to MPPCB out of 377 local bodies. MPPCB has issued Notices/ Directions to all local bodies in the state & also to Principal Secretary & Commissioner Local Self Department of State Govt. MPPCB has filed prosecution against 102 Nagar Nigams, Panchayats and Parishad (Municipal Bodies, Urban Local Bodies and Panchayat) for non-compliance of the MSW Rules, 2000.

A true copy of the list of 102 Nagar Nigams, Panchayats and Parishad (Municipal Bodies, Urban Local Bodies and Panchayat) against whom prosecution has been initiated is annexed herewith and marked as Annexure A - 5.

(4) That, with respect to scientific collection, storage, segregation, transportation, processing and disposal of the municipal solid wastes, which the duty of the State Government of M.P. or the concerned Local Municipal Body as provided under Rules 4 and 5 of Rules of 2000, it is most respectfully submitted that in pursuance of the sincere efforts of the answering Respondent, the State Government of M.P. has submitted the latest plan for Municipal Solid Waste Management in Madhya Pradesh. The salient features of the plan are as follows:

(a) The scientific management of Municipal Waste Management includes:

- Waste minimization and reduction at source.
- Door to door collection of waste from all residential, commercial, institutional establishments in covered

- vehicles in compliance with MSW Rules 2000 and in accordance with SLB for MSW.
- 100% Segregation of waste at source in accordance with SLB for MSW.
 - Covered Bins for secondary collection in compliance with MSW Rules 2000.
 - Secondary collection and transportation in covered vehicles in compliance with MSW Rules 2000.
 - Covered waste transfer/storage stations in compliance with MSW Rules 2000 and CPCB/SPCB norms, if required.
 - More than 80% Waste recovery/recycling in accordance with SLB for MSW.
 - Scientific processing in compliance with MSW Rules 2000 and CPCB/SPCB norms.
 - Scientific disposal of inert in compliance with MSW Rules 2000 and CPCB/SPCB norms.
 - 100% cost recovery of O & M expenses from user charges, and 90% collection efficiency of user charges in accordance with SLB for MSW.

(b) The urbanization pattern in MP is quite skewed. Only 15 ULBs have population greater than 2 lakhs while 317 ULBs have population less than 50,000. The scientific solid waste management in ULBs, with population less than 1 lakh, would be uneconomical and would result in huge financial burden on the ULBs. Most of these ULBs further lack the financial as well as the technical capacity to carry out the solid waste management. Hence there is a need of a regional approach to promote solid waste management in the state.

(c) The State Government of M.P. has prepared both Long Term Plan and Short Term Plan for the planned disposal of the solid waste in the State of M.P. which in brief are as follows:

- (i) Long Term Plan: This Plan includes formulation of clusters.
- The whole state will be divided into 26 clusters for MSW management. In each of the clusters, an Integrated Solid Waste Management (ISWM) Facility will be developed where waste collected and transported from all the ULBs will be processed and disposed in a scientific landfill site in an, as per MSW Rules 2000 and other statutory requirements. Further, satellite waste storage and satellite processing facilities may be developed in each of the clusters to minimize the transportation costs. Therefore, each cluster will have a combination of ISWM Facility, satellite segregation-cum processing units and waste storage units.
 - These projects will be developed on PPP basis as Integrated Solid Waste Management Projects, leveraging on the technical as well as O&M expertise of private sector.
 - Cluster: The State has planned Katni Cluster on the above line and the project has been already_tendered. Katni ISWM project has initially been proposed as a pilot project for MSW management in GoMP. The proposed project will cater to the 95 MT waste, collectively from Katni, Sihora, Kymore, Vijayraghavgarh and Barhi. The ISMW Facility has been planned in Katni_while waste storage units may

be planned in Kymore, Vijaygarhgarh and Barhi for temporary storage of waste (2-3 days) before transporting to ISWM Facility in Katni to minimize the transportation expenses.

(ii) Short Term Plan

As an immediate action, the following activities have been planned:

- State notice to ULBs where ISMW facility has been planned to avail/renew their SPCB clearances.
- State notice to ULBs where ISMW facility has been planned to conduct all relevant tests, such as waste generation tests, waste characterization tests, required for developing solid waste management projects.
- Circulation of a template for collection of information necessary for planning solid waste management projects.
- Consultation and collaboration with SPCB for speed tracking the approvals for ISWM facilities.

(iii) Investment Requirement and Phasing

| Current Projects | Estimated Cost | Population | Current Status |
|------------------|----------------|------------|---|
| ISWM, Katni | 35.39 Crores | 321981 | Under Bidding, LOA expected to be issued by February 2015 end |
| ISWM, Sagar | 70.54 Crores | 694600 | Under Bidding, LOA expected to be issued by February 2015 end |

(5) That, in the setting up of these planned MSW plants by the State Government of M.P., the answering Respondent/MPPCB is extending full cooperation and expertise as required from time to time.

(6) That, the suggestions of the M.P. Pollution Control Board (MPPCB) for scientific collection, segregation and disposal of municipal solid waste are as follows:

(a) It is pertinent here to mention that so far investment requirement & budgeting have been done only for two cluster namely Sagar & Katni and regarding remaining 24 cluster technical and financial aspects are yet to be worked out by the State Govt. which is necessary for over all implementation of the provisions of the MSW Management Rules 2000.

(b) The State Govt. proposal reveals that whole State has been divided into 26 Cluster's i.e. Hoshangabad, Vidisha, Bhopal, Shajapur, Betul, Gwalior, Morena, Shivpuri, Guna, Indore, Burhanpur, Pithampur, Dewas, Katni, Balaghat, Chhindwara, Jabalpur, Mandasour, Ujjain, Ratlam, Rewa, Shahdol, Singrauli, Sagar, Damoh, Chhatarpur, to address the MSW from urban Population 20390746, generating MSW quantity 6685 MTD. BESIDES THIS there are five Cantonment Board namely Pachmarhi Distt. Hoshangabad (MSW Quantity 4.82 MTD), Morar Distt. Gwalior (MSW Quantity 2.0 MTD), Mhow Distt.

Indore (MSW Quantity 25.0 MTD), Jabalpur distt. Jabalpur (MSW Quantity 8.4 MTD), Sagar distt. Sagar (MSW Quantity 12.0 MTD) are yet to be covered. It seems that once MSW facility is developed cluster wise, The Cantonment Board Sagar, Jabalpur & Morar (Gwalior) can join as the facility is developed. Pachmarhi and Mhow are at some distance from the proposed cluster waste facility, these can go for effective MSW disposal by trenching/composting etc.

(c) That there are total 377 local bodies inclusive of 14 Municipal Corporations, and 363 Nagar Palika Parishad/Panchyat. The population covered under 377 local bodies is 20390746 and MSW generated is 6685 MT/Day, as per latest information available from state Govt. The 14 Nagar Nigam (Municipal Council) contributes 3059 MT/Day MSW, therefore, it is necessary that if the State Government priorities 14 Nagar Nigam for MSW Management, the 45% MSW load of the State can be addressed. Nagar Nigam Indore, Gwalior, Rewa, Satna, Jabalpur and Singrauli have made some efforts for compliance of MSW. MPPCB has filed prosecution against Nagar Nigam Bhopal, Indore, Katni, and Rewa under EPA 1986. Prosecution against Nagar Nigam Ujjain and Dewas has also been filed under Water Act 1974 and for violations of the provisions of MSW Rules 2000. Out of the 363 local bodies Chhatarpur and

Sailana, are reported to have partial compost making arrangements for MSW disposal.

(d) It is suggested that State Govt. may work out cluster wise time bound comprehensive MSW Management plan dealing with house to house collection of municipal waste to final disposal of the municipal waste, in detail technical & financial aspects for remaining 24 clusters also. The plan must accommodate future population and shall be brought to the notice of public, NGO and all concerned stake holders through print and electronic media. Also a monitoring mechanism should be developed at the State and District level for effective implementation of the provisions of MSW Rules. Effective and systematic inter connection among all implementing agencies is also required for effective implementation of the said rules.

(e) The answering Respondent/MPPCB in principle agrees with the National Action Plan For MSW Management submitted by the CPCB, wherein Paragraph 11.0 and 12.0 the Indicative Action Plan has been given for collection, segregation, storage, transportation and disposal of the municipal solid waste and the same has been communicated to the State Government to do the needful to make scientific management of the municipal waste possible and effective.

(7) That, the M.P. Pollution Control Board (MPPCB) most respectfully submits that the Board is committed for the implementation of the provisions of the Rules of 2000 in true letter and spirit and will abide the directions if any, issued by this Hon'ble Tribunal with respect to the effective implementation of the Rules of 2000.

DATE: 05-03-2015

DRAWN & FILED BY:

(SUNNY CHOUDHARY)
ADVOCATE FOR THE RESPONDENT/MPPCB
S-222, LGF, GREATER KAILASH, PART - 1, NEW DELHI.
PHONE NO.: 011-41600011

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ORIGINAL APPLICATION NO.199 OF 2014

IN THE MATTER OF :

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AFFIDAVIT

I,V.K. Ahirwar,S/o Sh. J.R. Ahirwar, aged about 54 year , working as superintending Engineer, M.P. Pollution Control Board, Bhopal Madhya Pradesh, presently at New Delhi, do hereby solemnly affirm and declares as under :

1. That I am the Officer-in-Charge appointed in the above mentioned case on behalf of the Madhya Pradesh Pollution Control Board (MPPCB)/respondent and well conversant with the fact and circumstances of the case as such I am competent to swear this affidavit.
2. That, the averments made in the accompanying Additional Affidavit from Pages ~~6209~~ to ~~6222~~ are drafted on my instructions and the contents thereof are true and correct to the best of my knowledge and belief.



That, the contents of this affidavit are true and correct to the best of my knowledge and nothing material has been concealed therefrom.

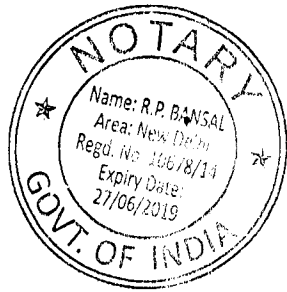
4. That, the annexures / documents filed herewith are true copies of their respective originals.

[Signature]
DEPONENT

VERIFICATION

Verified at New Delhi, on this 23rd day of February, 2015 that the contents in the aforesaid affidavit are true and correct to the best of my knowledge and belief.

IDENTIFIED BY



[Signature]
ATTESTED
Notary Public, Delhi
Govt. of India
Regd. No. 10678/14
22/02/15

[Signature]
DEPONENT

ANNEXURE A-1
6223

BEFORE THE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI

M.A. No. 38 of 2015, M.A. No. 76 of 2015 & M.A. No. 77 of 2015
In
Original Application No. 199 of 2014

Almitra H. Patel & Anr. Vs. Union of India & Ors.

CORAM : HON'BLE MR. JUSTICE SWATANTER KUMAR, CHAIRPERSON
HON'BLE MR. JUSTICE U.D. SALVI, JUDICIAL MEMBER
HON'BLE MR. BIKRAM SINGH SAJWAN, EXPERT MEMBER
HON'BLE MR. RANJAN CHATTERJEE, EXPERT MEMBER

Present: Applicant: Mr. Debmulya, Ms. Devina Sehgal and Mr. Abhishek Roy, Advs.
Advocates
Respondent No. 1: Mr. Vikas Malhotra and Mr. M.P. Sahay, Advs.
Mr. Vijay Panjawani for CPCB
Mr. Sanjeev Sen, Mr. Riku Sarma, Mr. Navneet Kumar and Ms. Kankana Arandhara, Advs.
Mr. Jayesh Gaurav and Mr. R. N. Kashap, Advs.
Mr. Pradeep Mishra and Mr. Daleep Dhyani, Advocates
Mr. Mukesh Verma, Advocate, Mr. Vinod Singhal and Dr. P. Amkalayam, Advs.
Ms. Puja Kalra, Adv. and Mr. Tanjeet Ahmed, Adv.
Mr. S. Biswajit, Adv.
Ms. Perna Singh and Mr. Guntur Prabhakaran, Adv.
Mr. Sunil Satyarthi, Advocate for Delhi Cantonment Board
Mr. Jogy Scaria, Adv.
Mr. K. V. Jagdishvaran and Mr. G. Indira, Advs.
Mr. Suryanarayan Singh, AAG of H.P.
Mr. S.S. Chauhan and Ms. Anusha Singh, Advs.
Mr. Devashish Bharukha and Mr. Anu Tyagi, Advs.
Ms. Aruna Mathur, Adv. and Mr. Yusuf Khan for the State of Sikkim
Mr. G. H. Kawasoo and Mr. Muzaffar Kirmani, Advs.
Mr. Bikas Kar Gupta, Adv.
Dr. Abhishek Atrey and Mr. Rahul Verma, Advs.
Mr. Raman Yadav, Advocate for State of U.P.
Mr. Kulanand Joshi, Member Secy. Mr. Biraja Mahapatra, Mr. D.K. Madhan and Mr. Dinesh Jindal, Advocates for DPCC
Mr. Gaurav Dhingra, Adv.
Mr. Lokendra Singh Kachhawala, Adv.
Mr. A.K. Pandey, Mr. M. Paikaray, Adv and Mr. S. Panda, and Mr. B.P. Pattajoshi, Advs. for Odisha State Pollution Control Board
Mr. Dhanjay Bajjal and Mr. Nikhil Nayyar, Advocates for APPCB & Telangana Pollution Control Board
Mr. Anil Soni, AAG
Mr. Naginder Benipal along with Member Secretary Mr. Babu Ram
Mr. D.K. Thakur and Mr. Vineet Kumar, Member Secretary
Mr. Amit Agarwal and Ms. Asha Nayar Basu, Advocate for WBPCB
Mr. Anil Grover, AG with Mr. Rahul Khurana, advocate for the State of Haryana & Haryana State Pollution Control Board
Mr. Devraj Ashok, Advocate
Mr. S.S. Shamshery, AAG, and Mr. Varun Punia
Mr. Sushil Dutt Sahwan, Adv.

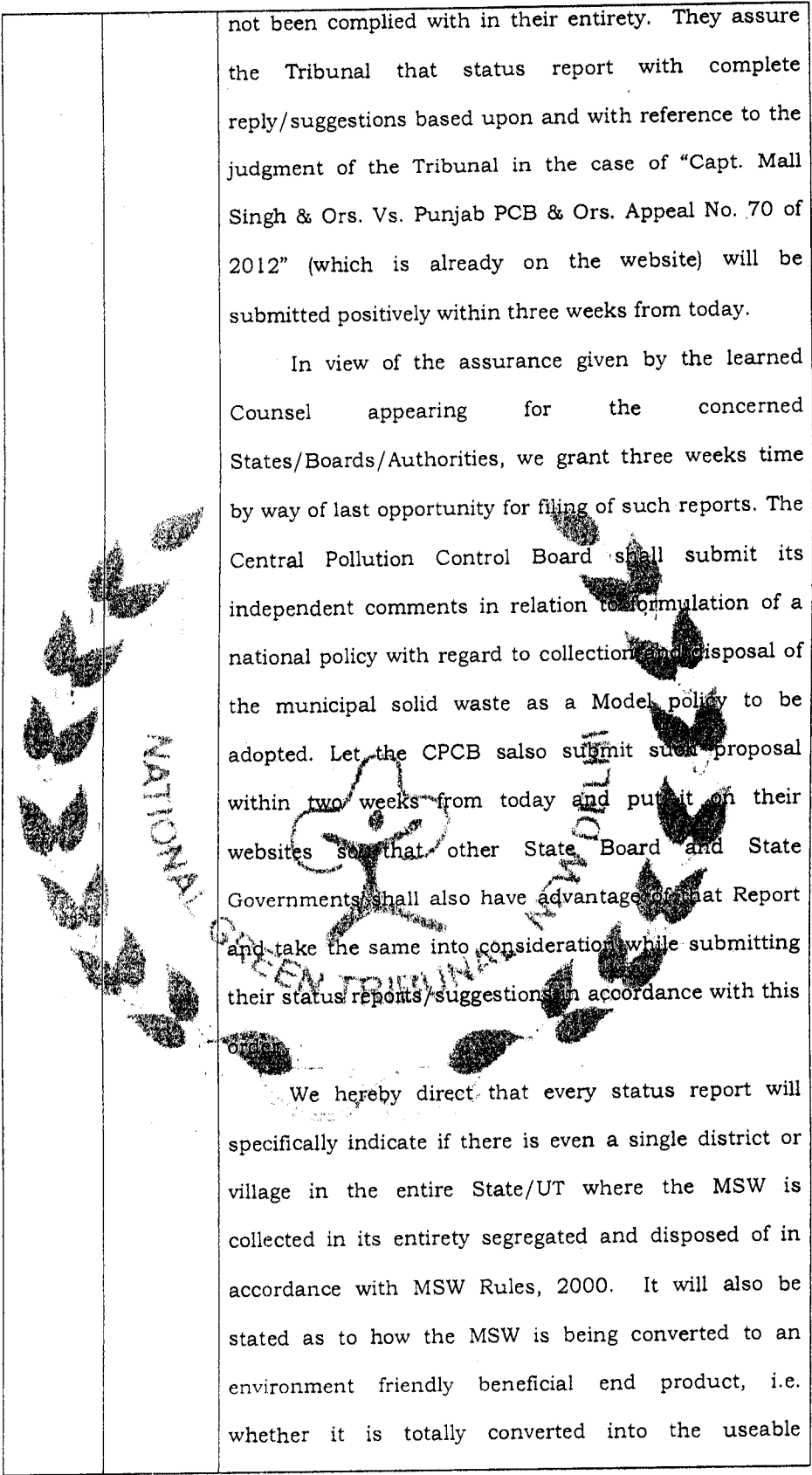
Mr. M. Yogesh Kanna, Advocate
 Mr. K. Enatoli Sema, Mr. Imjung Panjer and Mr. Member Secy. Kusuvil Soh, Member Secy.
 Ms. Preeti Bhardwaj, Ad. With Mr. Ashok Sinha, Secy, Ms. Mona Thanthar, Mr. N.M. Tabhani, EE and Mr. Anil Shrivastava and Mr. Sanyam Saxena Officer
 Mr. Sarkar Sardana, Mr. Kabir S. Bose, Ms. Surabhi Sardana and Mr. B.P. Gopalika, Advs.
 Ms. Aprajita Mukherjee for State of Meghalaya and Mr. Ethelbert Kharmalki, Joint Secy.
 Ms. Shibani Ghosh, Adv.
 Mr. Sunny Choudhary, Adv. for MP PCB
 Mr. C.D. Singh and Ms. Anshuman Shrivastava Advs.
 Ms. Tayenjam Momo, Adv
 Mr. Ritoraj Biswaj, Mr. Gopal Singh, Mr. Sujaoya Bardhan, Advs.
 Mr. Ranjan Mazumdar, Adv. for State of Assam
 Mr. Rajeev Kumar, Adv. for State of Manipur
 Mr. Abhimanyu Garg, Ms. Preety Makkar, Advs.
 Mr. Raksh Chandra, IAS, Secy. Mr. Dwarakanath MS PPCC, Mr. N. Ramesh EE
 Mr. P. Mathur Samuel
 Mr. Ravi Krishan Chandra and Mr. Gaurav Seth, Adv.
 Mr. Atraaman N.S., Mr. Datta Prasad, Ms. Bansuri Swaraj, Mr. Nikhii D. Pai, Ms. Neha U. Khokor and Mr. Purnaa Bhamra
 Mr. Alok Kumar, Ms. Aditi Tomar, Ms. Senjul Khanna, Advs.
 Mr. G.M. Kawoosa, Adv.
 Mr. Vijay Panjwani, Adv.
 Ms. Yogmaya Agnihotri, Adv. for CECEB
 Mr. Aja Kadian, Member Secy.
 Mr. Gopal Jha, Adv. and Mr. Rakesh Kumar, Member Secy,
 Mr. Pragya Pradip Sharma and Mr. Heshu Kayima, Advs.

| Date and Remarks | Orders of the Tribunal |
|--|---|
| Item No. 20 February 02, 2015 | <p>All other States and State Boards except UTs Chandigarh and Lakshadweep are present.</p> <p>In furtherance to our previous order, Secretaries/ Additional Secretaries/Principal Secretaries/Chief Engineers and Member Secretaries of the concerned Boards are also present.</p> <p>Learned Counsel appearing for all these authorities submit that it is because of either oversight or lack of communication, the order of the Tribunal including orders dated 15.01.2015 and 02.12.2014 and the orders of the Hon'ble Supreme Court of India have</p> |

not been complied with in their entirety. They assure the Tribunal that status report with complete reply/suggestions based upon and with reference to the judgment of the Tribunal in the case of "Capt. Mall Singh & Ors. Vs. Punjab PCB & Ors. Appeal No. 70 of 2012" (which is already on the website) will be submitted positively within three weeks from today.

In view of the assurance given by the learned Counsel appearing for the concerned States/Boards/Authorities, we grant three weeks time by way of last opportunity for filing of such reports. The Central Pollution Control Board shall submit its independent comments in relation to formulation of a national policy with regard to collection and disposal of the municipal solid waste as a Model policy to be adopted. Let the CPCB also submit such proposal within two weeks from today and put it on their websites so that other State Board and State Governments shall also have advantage of that Report and take the same into consideration while submitting their status reports/suggestions in accordance with this order.

We hereby direct that every status report will specifically indicate if there is even a single district or village in the entire State/UT where the MSW is collected in its entirety segregated and disposed of in accordance with MSW Rules, 2000. It will also be stated as to how the MSW is being converted to an environment friendly beneficial end product, i.e. whether it is totally converted into the useable



material/component or is it composted or recycled.

All status reports filed so far are cancelled.

None of the officers need to be present only if the order is complied with.

In exercise of our powers and in terms of the provision of Section 19 (4) (a) of the National Green Tribunal Act, 2010 read with Order XVI Rule 10(3) and Section 151 of Code of Civil Procedure, 1908, we issue bailable warrants against the Member Secretary of Pollution Control Committee and the Environmental Secretary of both UT Chandigarh and UT Lakshadweep in the sum of Rs. 10,000/- each to the satisfaction of the arresting Officer to secure their presence before us. The bailable warrants shall be executed by the concerned SHO. Bailable warrants returnable on 17.03.2015.

All the local authorities, DDA Corporation shall fully co-operate with the State Government in preparation of such reports.

List the matter on 17th March, 2015

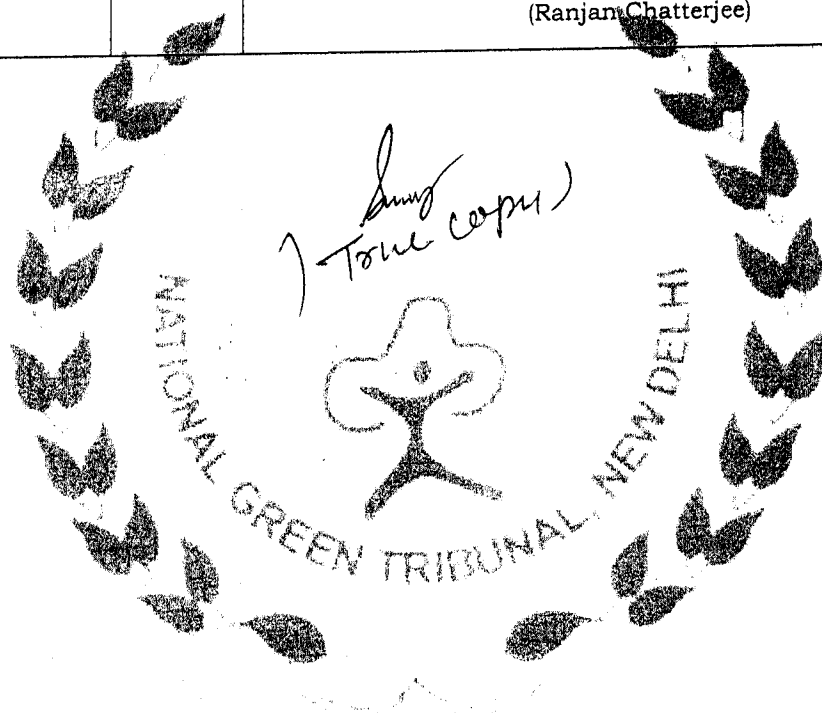
M.A. No. 76/2015

In view of the order passed above, M.A. No. 76/2015 does not survive for consideration and is accordingly dismissed.

M.A. No. 77/2015

This application is allowed subject to just exception. The applicant would only have right to intervene and heard at the time of arguments. M.A. No.

| | | |
|--|--|--|
| | | 77/2015 is disposed of accordingly. ,CP (Swatanter Kumar) ,JM (U.D. Salvi) ,EM (Bikram Singh Sajwan) ,EM (Ranjan Chatterjee) |
|--|--|--|



6228

ANNEXURE A-2

M.P. Pollution Control Board

NGT Case No. 199/2014 New Delhi

Annexure Monitoring Reports

Regional Office, M.P. Pollution Control Board, Jabalpur
GROUND WATER MONITORING NEAR MSW DUMPING SITE
 (NCT Case No. 199/2014)

| S.N | Name of Local Body | Description of sample | Date of Sampling | pH | Chloride mg/l | Total Hardness mg/l | TDS mg/l | Nitrate mg/l | Sulfate mg/l | Iron mg/l | Chromium mg/l | Zinc mg/l | Copper mg/l |
|-----|--------------------------------------|---|------------------|------|---------------|---------------------|----------|--------------|--------------|-----------|---------------|-----------|-------------|
| | JABALPUR | | | | | | | | | | | | |
| 1. | Nagar Jabalpur | Bore Well water at approx. 10 m. distance from MSW dumping site | 20/01/2015 | 7.76 | 12 | 236 | 348 | BDL | 6 | BDL | BDL | BDL | BDL |
| 2. | Nagar Parishad JBP. | Hand Pump water near Garabra Pond at approx. 30 m. distance from MSW dumping site | 21/01/2015 | 7.26 | 12 | 238 | 314 | BDL | 4 | BDL | BDL | BDL | BDL |
| 3. | Nagar Parishad Jabalpur. | Hand Pump water near Bus Stand at approx. 50 m. distance from MSW dumping site | 21/01/2015 | 7.38 | 17 | 242 | 484 | BDL | 5 | BDL | BDL | BDL | BDL |
| 4. | Nagar Majholi, Jabalpur. | Hand Pump water near Pola Road at approx. 2 km. distance from MSW dumping site | 21/01/2015 | 7.42 | 20 | 232 | 468 | BDL | 4 | BDL | BDL | BDL | BDL |
| 5. | Nagar Patan, Jabalpur. | Tube Well water at approx. 50 m. distance from MSW dumping site | 21/01/2015 | 7.54 | 25 | 218 | 596 | BDL | 4 | BDL | BDL | BDL | BDL |
| 6. | Nagar Barceta, Jabalpur. | Bore Well water at approx. 2 km. distance from MSW dumping site | 21/01/2015 | 7.36 | 15 | 198 | 387 | BDL | 2 | BDL | BDL | BDL | BDL |
| 7. | Nagar Katangi, Jabalpur. | Hand Pump water at approx. 3 km. distance from MSW dumping site | 21/01/2015 | 7.51 | 22 | 226 | 412 | BDL | 5 | BDL | BDL | BDL | BDL |
| 8. | Nagar Shahpura (Bhithoni), Jabalpur. | Bore Well water at approx. 100 m. distance from MSW dumping site | 21/01/2015 | 7.62 | 30 | 258 | 462 | BDL | 6 | BDL | BDL | BDL | BDL |
| 9. | Nagar Bheraghat, Jabalpur. | No under ground water source | 21/01/2015 | - | - | - | - | - | - | - | - | - | - |
| 10. | Canomment Jabalpur. | Hand Pump water at approx. 100 m. distance from MSW dumping site | 21/01/2015 | 7.31 | 17 | 196 | 376 | BDL | 4 | BDL | BDL | BDL | BDL |

B

| S.N | Name of Local Body | Description of sample | Date of Sampling | pH | Chloride mg/l | Total Hardness mg/l | TDS mg/l | Nitrate mg/l | Sulfate mg/l | Iron mg/l | Copper mg/l | Zinc mg/l | Cadmium mg/l |
|-----|---|---|------------------|------|---------------|---------------------|----------|--------------|--------------|-----------|-------------|-----------|--------------|
| | BALAGHAT | | | | | | | | | | | | |
| 11. | Nagar Palika Parishad, Balaghat. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 22/01/2015 | 7.2 | 20 | 100 | 240 | BDL | 5 | BDL | BDL | BDL | BDL |
| 12. | Nagar Palika Parishad Warseoni, Balaghat. | Hand Pump water at approx. 200 m. distance from MSW dumping site | 22/01/2015 | 7.4 | 12 | 105 | 300 | BDL | 2 | BDL | BDL | BDL | BDL |
| 13. | Nagar Parishad Katangi Balaghat. | Hand Pump water at approx. 300 m. distance from MSW dumping site | 22/01/2015 | 7.6 | 10 | 120 | 270 | BDL | 4 | BDL | BDL | BDL | BDL |
| 14. | Nagar Parishad Malanjikhand, Balaghat. | Hand Pump water at approx. 1000 m. distance from MSW dumping site | 23/01/2015 | 7.4 | 13 | 130 | 250 | BDL | 5 | BDL | BDL | BDL | BDL |
| 15. | Nagar Parishad Balhar, Balaghat. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 23/01/2015 | 7.5 | 10 | 110 | 300 | BDL | 4 | BDL | BDL | BDL | BDL |
| 16. | Nagar Parishad Lanji Balaghat. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 23/01/2015 | 7.94 | 37 | 234 | 474 | BDL | 6 | BDL | BDL | BDL | BDL |
| | CHHINDWARA | | | | | | | | | | | | |
| 17. | Nagar Palika Parishad Chhindwara. | Hand Pump water at approx. 200 m. distance from MSW dumping site | 08/01/2015 | 7.6 | 10 | 120 | 300 | BDL | 6 | BDL | BDL | BDL | BDL |
| 18. | Nagar Palika Parishad Pandhurna, Chhindwara. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.42 | 12 | 218 | 376 | BDL | 4 | BDL | BDL | BDL | BDL |
| 19. | Nagar Palika Parishad Jumardeo, Chhindwara. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.28 | 07 | 238 | 338 | BDL | 4 | BDL | BDL | BDL | BDL |
| 20. | Nagar Palika Parishad Dongar Parasia, Chhindwara. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.81 | 12 | 254 | 313 | BDL | 2 | BDL | BDL | BDL | BDL |
| 21. | Nagar Palika Parishad Damua | Hand Pump water at approx. 400 m. distance from MSW dumping site | 20/01/2015 | 7.38 | 15 | 226 | 394 | BDL | 4 | BDL | BDL | BDL | BDL |

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| S/N | Name of Local Body | Description of sample | Date of Sampling | pH | Chloride mg/l | Total Hardness mg/l | TDS mg/l | Nitrate mg/l | Sulfate mg/l | Iron mg/l | Manganese mg/l | Copper mg/l | Zinc mg/l |
|-----|--|--|------------------|------|---------------|---------------------|----------|--------------|--------------|-----------|----------------|-------------|-----------|
| 22 | Nagar Parishad Harrai, Chhindwara. | Hand Pump water at approx. 300 m. distance from MSW dumping site | 20/01/2015 | 7.52 | 17 | 216 | 392 | BDL | 6 | BDL | BDL | BDL | BDL |
| 23 | Nagar Parishad Chevrai, Chhindwara. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.48 | 21 | 232 | 412 | BDL | 4 | BDL | BDL | BDL | BDL |
| 24 | Nagar Parishad Sausar, Chhindwara. | Hand Pump water at approx. 400 m. distance from MSW dumping site | 20/01/2015 | 7.32 | 17 | 262 | 428 | BDL | 4 | BDL | BDL | BDL | BDL |
| 25 | Nagar Parishad Mohagan, Chhindwara. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 21/01/2015 | 7.29 | 25 | 218 | 392 | BDL | 4 | BDL | BDL | BDL | BDL |
| 26 | Nagar Parishad Amarwara, Chhindwara. | Hand Pump water at approx. 300 m. distance from MSW dumping site | 20/01/2015 | 7.26 | 15 | 186 | 358 | BDL | 2 | BDL | BDL | BDL | BDL |
| 27 | Nagar Parishad Chandaneta, Barara, Chhindwara. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.29 | 20 | 212 | 382 | BDL | 4 | BDL | BDL | BDL | BDL |
| 28 | Nagar Parishad Newton (Chakhti), Chhindwara. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.36 | 10 | 246 | 296 | BDL | 4 | BDL | BDL | BDL | BDL |
| 29 | Nagar Parishad Lodhikbeda, Chhindwara. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.28 | 15 | 254 | 391 | BDL | 6 | BDL | BDL | BDL | BDL |
| 30 | Nagar Parishad Naraynipikwar. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.42 | 30 | 256 | 416 | BDL | 8 | BDL | BDL | BDL | BDL |
| 31 | Nagar Parishad Badkahi | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.36 | 15 | 248 | 318 | BDL | 6 | BDL | BDL | BDL | BDL |

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| S.N. | Name of Local Body | Description of sample | Date of Sampling | pH | Chloride mg/l | Total Hardness mg/l | TDS mg/l | Nitrate mg/l | Sulfate mg/l | Iron mg/l | Chromium mg/l | Zinc mg/l | Copper mg/l |
|-------------------|---|--|------------------|------|---------------|---------------------|----------|--------------|--------------|-----------|---------------|-----------|-------------|
| 32. | Nagar Parishad Bichhua Chhidwara | Hand Pump water at approx. 500 m. distance from MSW dumping site | 21/01/2015 | 7.42 | 12 | 196 | 374 | BDL | 5 | BDL | BDL | BDL | BDL |
| 33. | Nagar Parishad Chand | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.56 | 21 | 236 | 408 | BDL | 4 | BDL | BDL | BDL | BDL |
| NARSINGPUR | | | | | | | | | | | | | |
| 34. | Nagar Parishad, Narsinghpur | Hand Pump water at approx. 200 m. distance from MSW dumping site | 20/01/2015 | 7.2 | 20 | 150 | 280 | BDL | 3 | BDL | BDL | BDL | BDL |
| 35. | Nagar Parishad Gadarwara, Narsinghpur. | Hand Pump water at approx. 200 m. distance from MSW dumping site | 20/01/2015 | 7.6 | 20 | 150 | 300 | BDL | 6 | BDL | BDL | BDL | BDL |
| 36. | Nagar Parishad Goteegaon, Narsinghpur. | Hand Pump water at approx. 1 km. distance from MSW dumping site | 20/01/2015 | 7.4 | 20 | 120 | 200 | BDL | 2 | BDL | BDL | BDL | BDL |
| 37. | Nagar Parishad Kareh, Narsinghpur. | Hand Pump water at approx. 200 m. distance from MSW dumping site | 20/01/2015 | 7.5 | 20 | 100 | 290 | BDL | 4 | BDL | BDL | BDL | BDL |
| 38. | Nagar Parishad Tendukhedan, Narsinghpur | Hand Pump water at approx. 400 m. distance from MSW dumping site | 20/01/2015 | 7.4 | 10 | 150 | 240 | BDL | 4 | BDL | BDL | BDL | BDL |
| 39. | Nagar Parishad Sakheda, Narsinghpur | Hand Pump water at approx. 1 km. distance from MSW dumping site | 20/01/2015 | 7.5 | 20 | 140 | 250 | BDL | 6 | BDL | BDL | BDL | BDL |

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| S.N | Name of Local Body | Description of sample | Date of Sampling | pH | Chloride mg/l | Total Hardness mg/l | TDS mg/l | Nitrate mg/l | Sulfate mg/l | Iron mg/l | Chromium mg/l | Zinc mg/l | Copper mg/l |
|-----|---------------------------------------|--|------------------|------|---------------|---------------------|----------|--------------|--------------|-----------|---------------|-----------|-------------|
| 40. | Nagar Parishad Chichli, Narsinghpur | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.4 | 20 | 140 | 300 | BDL | 5 | BDL | BDL | BDL | BDL |
| 41. | Nagar Parishad Sahelouka, Narsinghpur | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.2 | 10 | 130 | 200 | BDL | 6 | BDL | BDL | BDL | BDL |
| | SEONI | | | | | | | | | | | | |
| 42. | Nagar Parishad, Seoni. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 07/01/2015 | 7.41 | 25 | 242 | 426 | BDL | 4 | BDL | BDL | BDL | BDL |
| 43. | Nagar Parishad Lakhnadon, Seoni. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 21/01/2015 | 7.52 | 35 | 257 | 416 | BDL | 4 | BDL | BDL | BDL | BDL |
| 44. | Nagar Parishad Barghat, -Seoni | Hand Pump water at approx. 500 m. distance from MSW dumping site | 21/01/2015 | 7.32 | 25 | 248 | 406 | BDL | 8 | BDL | BDL | BDL | BDL |
| | MANDLA | | | | | | | | | | | | |
| 45. | Nagar Parishad, Mandla. | Hand Pump water at approx. 50 m. distance from MSW dumping site | 20/01/2015 | 7.47 | 20 | 228 | 394 | BDL | 4 | BDL | BDL | BDL | BDL |
| 46. | Nagar Parishad Nainpur, Mandla. | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.35 | 15 | 218 | 386 | BDL | 4 | BDL | BDL | BDL | BDL |
| 47. | Nagar Parishad Bantohanjhar, Mandla. | Hand Pump water at approx. 1 km. distance from MSW dumping site | 20/01/2015 | 7.34 | 20 | 234 | 402 | BDL | 2 | BDL | BDL | BDL | BDL |

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| S.N | Name of Local Body | Description of sample | Date of Sampling | pH | Free Chlorine mg/l | Hardness mg/l | Calcium mg/l | Magnesium mg/l | Iron mg/l | Copper mg/l | Zinc mg/l | Lead mg/l | Cadmium mg/l |
|-----|---------------------------------|--|------------------|------|--------------------|---------------|--------------|----------------|-----------|-------------|-----------|-----------|--------------|
| 48. | Nagar Parishad Bichhiya, Mandla | Hand Pump water at approx. 500 m. distance from MSW dumping site | 20/01/2015 | 7.37 | 25 | 286 | 474 | BDL | BDL | 8 | BDL | BDL | BDL |
| 49. | Nagar Parishad Niwas, Mandla | Hand Pump water at approx. 2 km. distance from MSW dumping site | 20/01/2015 | 7.46 | 30 | 268 | 464 | BDL | BDL | 4 | BDL | BDL | BDL |

Note:- BDL = Below Detectable Limit


Scientist


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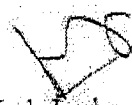
Regional Office, M.P. Pollution Control Board, Jabalpur

AMBIENT AIR MONITORING NEAR MSW DUMPING SITE

(NGT Case No. 199/2014)

| S. N | Name of Local Body | Monitoring Location | Date of Monitoring | Result in $\mu\text{g}/\text{m}^3$ | | |
|------|------------------------------------|---|--------------------|------------------------------------|-----------------|-----------------|
| | | | | RSPM (PM 10) | SO ₂ | NO _x |
| 1. | Nagar Nigam Jabalpur | Approx. 100 m. distance from MSW dumping site at Village Kathonda | 20/01/2015 | 92 | BDL | 16 |
| 2. | Nagar Palika Parishad, Balaghat. | Approx. 200 m. distance from MSW dumping site | 22/01/2015 | 88 | BDL | 16 |
| 3. | Nagar Palika Parishad Chhindwara. | Approx. 200 m. distance from MSW dumping site | 20/01/2015 | 94 | BDL | 24 |
| 4. | Nagar Palika Parishad, Narsingpur. | Approx. 200 m. distance from MSW dumping site | 20/01/2015 | 86 | BDL | 18 |
| 5. | Nagar Palika Parishad Mandla. | Approx. 100 m. distance from MSW dumping site | 20/01/2015 | 90 | BDL | 31 |
| 6. | Nagar Palika Parishad Seoni | Approx. 200 m. distance from MSW dumping site | 07/01/2015 | 96 | BDL | 22 |


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**REGIONAL LABORATORY
M. P. POLLUTION CONTROL BOARD, INDORE**

Annexure - III
Encl: III

AMBIENT AIR QUALITY MONITORING REPORT OF TRENCHING GROUNDS (As On 21.01.2015)

| S.No. | Name of local body & cat. District wise | Date of Monitoring | Results | |
|-------|---|--------------------|---------|-----------------|
| | | | RSPM | SO ₂ |
| 1 | Nagar Nigam, Indore | 29/10/2011 | 100 | 80 |
| | | | 105.05 | 8.08 |
| | | 7-8/5/2013 | 1502.22 | 22.22 |
| | | | 210 | 11.03 |
| | | 11-12/04/14 | 217 | 11.0 |
| | | | 296.33 | 12.13 |
| | | 08-09/01/15 | 481.8 | 13.14 |
| | | | 168.8 | 08.66 |
| | | 19-20/01/15 | 87.6 | 8.8 |
| | | | 159.5 | 12.1 |

[Signature]

(Dr. D. K. Wagela)
Chief Chemist & Lab. In-charge
Regional Lab.
M.P. Pollution Control Board, Indore

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**REGIONAL LABORATORY
M. P. POLLUTION CONTROL BOARD, INDORE
WATER ANALYSIS REPORT OF TRENCHING GROUNDS**


NAME OF LOCAL BODY-MUNICIPAL CORPORATION INDORE (M.P)

| S. No. | Sampling Location | Date of Monitoring | Results | | | | | | | | | | |
|--------|--|--------------------|------------------------|-------------------------|------------------|------------------|-----------------|-------------------|----------------|--------------|--------------|-----|------|
| | | | Total Hardness in mg/l | Dissolved Solid in mg/l | Chloride in mg/l | Sulphate in mg/l | Nitrate in mg/l | Chromi um in mg/l | Nickel in mg/l | Iron in mg/l | Zinc in mg/l | pH | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| 1 | Tubewell of M/s Lakhani Foot ware Indore. Near Trenching ground (TG) | 2.1.14 | 910 | 1985 | 559.03 | 126 | 23.99 | --- | --- | --- | --- | --- | 7.46 |
| 2 | Handpump at Dev Guradia Indore Near Trenching ground (TG) | 2.1.14 | 376 | 960 | 203.28 | 72.33 | 26.8 | --- | --- | --- | --- | --- | 7.58 |
| 3 | Tubewell of M/s Rishabh Masala Udyog Indore Near Trenching ground (TG) | 2.1.14 | 545.28 | 1137 | 520.91 | 61.74 | 28 | --- | --- | --- | --- | --- | 8.36 |
| 4 | Tubewell of M/s Lakhani Foot ware Indore. Near Trenching ground (TG) | 19.2.14 | 1124 | 1609 | 599 | 103.45 | 11.99 | --- | --- | --- | --- | --- | 7.48 |
| 5 | Handpump at Dev Guradia Indore Near Trenching ground (TG) | 25.2.14 | 261.36 | 760 | 137.9 | --- | 10.33 | --- | --- | --- | --- | --- | 7.39 |
| 6 | Tubewell of M/s Rishabh Masala Udyog Indore Near Trenching ground (TG) | 19.2.14 | 640 | 1498 | 519.83 | 91.80 | 12.41 | --- | --- | --- | --- | --- | 7.84 |

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|----|--|---------|--------|------|--------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|------|
| 7 | (TG) Tubewell of M/s Lakhami Foot ware Indore. Near Trenching ground (TG) | 7.3.14 | 999.6 | 2014 | 593.43 | 74.01 | 29.76 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 6.92 |
| 8 | Handpump at Dev Guradia Indore Near Trenching ground (TG) | 7.3.14 | 254.8 | 762 | 130.17 | 40.91 | 22.88 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 7.36 |
| 9 | Tubewell of M/s Rishabh Masala Udyog Indore Near Trenching ground (TG) | 7.3.14 | 384.16 | 1637 | 490.06 | 91.17 | 30.49 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 7.83 |
| 10 | Tubewell of M/s Lakhami Foot ware Indore. Near Trenching ground (TG) | 16.4.14 | 612 | 1805 | 340.25 | 73.32 | 29.45 | 0.039 | 0.002 | 0.043 | 0.025 | --- | --- | --- | --- | --- | --- | 7.48 |
| 11 | Handpump at Dev Guradia Indore Near Trenching ground (TG) | 16.4.14 | 352 | 750 | 135.06 | 68.32 | 21.44 | 0.023 | 0.016 | 0.018 | --- | --- | --- | --- | --- | --- | --- | 7.53 |
| 12 | Tubewell of M/s Rishabh Masala Udyog Indore Near Trenching ground (TG) | 16.4.14 | 1300 | 2099 | 707.73 | 96.76 | 30.49 | 0.038 | 0.022 | ND | ND | --- | --- | --- | --- | --- | --- | 7.26 |


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REGIONAL LABORATORY
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WATER ANALYSIS REPORT OF TRENCHING GROUNDS

NAME OF LOCAL BODY-MUNICIPAL CORPORATION INDORE (M.P.)

| S. No. | Sampling Location | Date of Monitoring | Results | | | | | | | | | | | | |
|--------|--|--------------------|------------------------|-------------------------|------------------|------------------|-----------------|-------------------|----------------|--------------|--------------|------|--|--|--|
| | | | Total Hardness in mg/l | Dissolved Solid in mg/l | Chloride in mg/l | Sulphate in mg/l | Nitrate in mg/l | Chromi um in mg/l | Nickel in mg/l | Iron in mg/l | Zinc in mg/l | pH | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | | | |
| 13 | Tubewell of M/S Lakhani Foot ware Indore. Near Trenching ground (TG) | 9.5.14 | 928 | 2203 | 616.40 | 76.06 | 3144 | -- | -- | -- | -- | 7.11 | | | |
| 14 | Handpump at Dev Gunadia Indore Near Trenching ground (TG) | 9.5.14 | 280 | 810 | 136.97 | 63.22 | 10.82 | -- | -- | -- | -- | 7.37 | | | |
| 15 | Tubewell of M/S Rishabh Masala Udyog Indore Near Trenching ground (TG) | 9.5.14 | 332 | 1744 | 591.94 | 96.06 | 35.86 | -- | -- | -- | -- | 7.80 | | | |
| 16 | Tubewell of M/S Lakhani Foot ware Indore. Near Trenching ground (TG) | 6.6.14 | 1067 | 2050 | 691.20 | 91.90 | 30.59 | -- | -- | -- | -- | 7.80 | | | |
| 17 | Handpump at Dev Guradia Indore Near Trenching ground (TG) | 6.6.14 | 349.2 | 766 | 138.25 | 39.08 | 27.8 | -- | -- | -- | -- | 7.66 | | | |
| 18 | Tubewell of M/S Rishabh Masala | 6.6.14 | 630.5 | 1880 | 645.19 | 70.10 | 30.36 | -- | -- | -- | -- | 7.61 | | | |

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M. P. POLLUTION CONTROL BOARD, INDORE
WATER ANALYSIS REPORT OF TRENCHING GROUNDS
NAME OF LOCAL BODY MUNICIPAL CORPORATION (INDORE (M.P.))

| S. No. | Sampling Location | Date of Monitoring | Result | | | | | | | | | |
|--------|---|--------------------|------------------------|-------------------------|------------------|------------------|-----------------|-------------------|----------------|--------------|--------------|------|
| | | | Total Hardness in mg/l | Dissolved Solid in mg/l | Chloride in mg/l | Sulphate in mg/l | Nitrate in mg/l | Chromi um in mg/l | Nickel in mg/l | Iron in mg/l | Zinc in mg/l | pH |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 25 | Tubewell of M/s Lakhmi Foot ware Indore. Near Treanching ground (TG) | 10.9.14 | 972.16 | 2144 | 580.46 | 626.4 | 27.28 | -- | -- | -- | -- | 7.66 |
| 26 | Handpump at Dev Garadia Indore Near Treanching ground (TG) | 10.9.14 | 344 | 892 | 232.19 | 122.48 | BDL | -- | -- | -- | -- | 7.84 |
| 27 | Tubewell of M/s Rishabh Masala Udyog Indore Near Treanching ground (TG) | 10.9.14 | 619.36 | 1526 | 449.53 | 144.8 | 24.8 | -- | -- | -- | -- | 7.68 |
| 28 | Tubewell of M/s Lakhmi Foot ware Indore. Near Treanching ground (TG) | 11.10.14 | 1061.28 | 2184 | 635.2 | 626.4 | 30.5 | -- | -- | -- | -- | 7.68 |
| 29 | Handpump at Dev Garadia Indore Near Treanching ground (TG) | 11.10.14 | 297.0 | 914 | 204.1 | 56 | 7.2 | -- | -- | -- | -- | 7.8 |
| 30 | Tubewell of M/s Rishabh Masala Udyog Indore Near Treanching ground (TG) | 11.10.14 | 712.8 | 1789 | 589.8 | 129.6 | 29.6 | -- | -- | -- | -- | 7.62 |

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WATER ANALYSIS REPORT OF TRENCHING GROUNDS

| S. N. | Name of local body & cat. District wise | Date of Monitoring | Result | | | | | | | | | |
|-------|--|--------------------|------------------------|-------------------------|------------------|------------------|-----------------|------------------|----------------|--------------|--------------|---------|
| | | | Total Hardness in mg/l | Dissolved Solid in mg/l | Chloride in mg/l | Sulphate in mg/l | Nitrate in mg/l | Chromium in mg/l | Nickel in mg/l | Iron in mg/l | Zinc in mg/l | pH |
| | Permissible Value as per IS : 10500 : 1991 | | 300.0 | 500.0 | 250.0 | 200.0 | 45.0 | 0.05 | - | 0.3 | 5.0 | 6.5-8.5 |
| 1 | Nagar Palika Parisad Dabra, Gwalior (A) | 03/10/11 | 264.0 | 328.0 | 52.8 | 15.2 | 20.35 | B.D.L. | - | B.D.L. | B.D.L. | 7.5 |
| 2 | Nagar Panchayat Pichhore Gwalior (C) | 24/12/12 | 289.0 | 200.0 | 48.8 | 10.8 | - | B.D.L. | - | B.D.L. | B.D.L. | 7.21 |
| 3 | Nagar Panchayat Bhitavari, Gwalior (C) | 28/11/11 | 150.0 | 250.0 | 95.50 | - | - | - | - | B.D.L. | B.D.L. | 7.9 |
| 4 | Nagar Panchayat, Antri, Gwl. (C) | 20/09/11 | 317.0 | 268.0 | 45.0 | 18.06 | 0.35 | - | - | B.D.L. | B.D.L. | 7.9 |
| 5 | Nagar Nigam, Gwalior (AA) | 11/04/11 | 310.0 | 377.0 | 54.2 | 14.1 | 0.54 | B.D.L. | - | B.D.L. | B.D.L. | 7.34 |
| 6 | Nagar Panchayat, Btlaua, Gwalior (C) | 03/10/11 | 186.0 | 321.0 | 36.18 | 10.3 | 0.56 | B.D.L. | - | B.D.L. | B.D.L. | 7.6 |
| 7 | Nagar Panchayat Alampur, Bhind (A) | 19/03/12 | 264.0 | 295.0 | 92.12 | 12.7 | 0.58 | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 6.5 |
| 8 | Nagar Panchayat Phroof Bhind(C) | 25/12/11 | 233.0 | 280.0 | 62.11 | 11.3 | 0.54 | - | - | B.D.L. | B.D.L. | 7.3 |
| 9 | Nagar Panchayat Akoda Bhind(C) | 25/11/11 | 240.0 | 270.0 | 70.80 | 9.0 | 0.60 | - | - | B.D.L. | B.D.L. | 7.2 |
| 10 | Nagar Panchayat Lahar Bhind (B) | 04/11/11 | 287.0 | 323.0 | 68.5 | 12.5 | 0.61 | B.D.L. | - | B.D.L. | B.D.L. | 6.1 |
| 11 | Nagar Palika Parisad Bhind(A) | 23/12/11 | 350.0 | 463.0 | 47.66 | 12.7 | 0.62 | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 7.9 |

| | | | | | | | | | | | | | | |
|----|---|----------|-------|-------|--------|------|------|--------|--------|--------|--------|--------|--------|------|
| 12 | Nagar Panchayat Mehgaon Bhind (C) | 29/12/11 | 364.0 | 423.0 | 58.57 | 12.5 | 0.61 | B.D.L. | B.D.L. | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 8.1 |
| 13 | Nagar Palika Parisad Gohad, Bhind (A) | 10/03/12 | 234.0 | 465.0 | 97.27 | 11.4 | 0.54 | B.D.L. | - | 0.02 | B.D.L. | B.D.L. | B.D.L. | 7.9 |
| 14 | Nagar Panchayat Davoh Bhind (C) | 02/01/12 | 268.0 | 295.0 | 76.95 | 12.4 | 0.61 | - | B.D.L. | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 8.5 |
| 15 | Nagar Panchayat, Gorri, Bhind (B) | 21/01/12 | 248.0 | 378.0 | 84.76 | 12.7 | 0.60 | B.D.L. | B.D.L. | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 7.9 |
| 16 | Nagar Panchayat, Mau, Bhind (C) | 26/12/12 | 188.0 | 179.0 | 22.0 | - | 0.26 | - | - | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 7.5 |
| 17 | Nagar Panchayat, Mijhauna, Bhind (B) | 24/01/12 | 224.0 | 283.0 | 42.38 | 10.1 | 0.57 | B.D.L. | B.D.L. | 0.5 | B.D.L. | B.D.L. | B.D.L. | 7.2 |
| 18 | Nagar Palika, Parisad Joura, Morena (B) | 23/10/11 | 255.0 | 360.0 | 78.6 | 10.4 | 0.42 | B.D.L. | - | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 7.4 |
| 19 | Nagar Panchayat, Kailaras, Morena (C) | 23/10/11 | 235.0 | 322.0 | 51.6 | 11.2 | 0.45 | B.D.L. | - | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 7.11 |
| 20 | Nagar Palika Parisad, Sabalgarh, Morena (C) | 24/09/11 | 255.0 | 465.0 | 338.69 | 11.0 | 0.16 | B.D.L. | - | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 7.5 |
| 21 | Nagar Panchayat, Bannmore, Morena (B) | 21/10/11 | 208.0 | 665.0 | 134.47 | 13.5 | 0.62 | B.D.L. | B.D.L. | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 7.4 |
| 22 | Nagar Palika Parisad, Ambah, Morena (B) | 03/10/11 | 246.0 | 362.0 | 76.4 | 9.4 | 0.58 | B.D.L. | B.D.L. | 0.01 | B.D.L. | B.D.L. | B.D.L. | 7.4 |
| 23 | Nagar Palika Parisad Porsa, Morena (B) | 02/11/11 | 256.0 | 382.0 | 76.4 | 8.6 | 0.68 | B.D.L. | B.D.L. | - | B.D.L. | B.D.L. | B.D.L. | 7.9 |
| 24 | Nagar Palika Parisad Morena (A) | 02/02/12 | 218.0 | 357.0 | 46.55 | 9.4 | 0.48 | B.D.L. | B.D.L. | 0.01 | B.D.L. | B.D.L. | B.D.L. | 7.5 |
| 25 | Nagar Panchayat Jhundpura, Morena (C) | 15/03/12 | 230.0 | 322.0 | 86.15 | 12.6 | 0.48 | B.D.L. | B.D.L. | 0.03 | B.D.L. | B.D.L. | B.D.L. | 7.6 |
| 26 | Nagar Palika Parisad, Datia (A) | 26/07/11 | 576.0 | 404.0 | 24.12 | 16.0 | 0.33 | - | B.D.L. | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 6.0 |

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| | | | | | | | | | | | | |
|----|---|----------|-------|-------|-------|------|------|--------|--------|--------|--------|-----|
| 27 | Nagar Panchayat, Sevadha, Datta (C) | 14/02/12 | 307.0 | 190.0 | 23.90 | - | 0.31 | - | B.D.L. | B.D.L. | B.D.L. | 7.6 |
| 28 | Nagar Panchayat, Indergarh, Datta (B) | 26/03/12 | 258.0 | 295.0 | 95.91 | 12.6 | 0.58 | B.D.L. | B.D.L. | B.D.L. | 0.5 | 7.9 |
| 29 | Nagar Panchayat, Bhandar, Datta (B) | 26/03/12 | 258.0 | 295.0 | 95.91 | 12.6 | 0.58 | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 7.9 |
| 30 | Nagar Palika Parisad Seopur (A) | 29/09/11 | 370.0 | 362.0 | 45.5 | 17.8 | 0.8 | B.D.L. | B.D.L. | B.D.L. | B.D.L. | 7.7 |
| 31 | Nagar Panchayat, Baroda, Seopur (B) | 03/02/12 | 240.0 | 375.0 | 73.6 | 9.5 | 0.54 | B.D.L. | B.D.L. | B.D.L. | 0.4 | 7.2 |
| 32 | Nagar Panchayat, Vijaipur, Seopur (C) | 05/02/12 | 274.0 | 360.0 | 29.18 | - | 0.42 | - | B.D.L. | B.D.L. | B.D.L. | 7.2 |
| 33 | Cantomment Board Morar Gwalior | - | - | - | - | - | - | - | - | - | - | - |
| 34 | Nagar Panchayat, Badoni, Datta | - | - | - | - | - | - | - | - | - | - | - |

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Result prepared by :

Regional Officer
Gwalior

**REGIONAL LABORATORY
M. P. POLLUTION CONTROL BOARD, GWALIOR**

AMBIENT AIR QUALITY MONITORING REPORT OF TRENCHING GROUNDS

| S.N. | Name of local body & cat. District wise | Date of Monitoring | Result | |
|------|---|--------------------|--------|-----------------|
| | | | RSPM | SO ₂ |
| | Permissible Value as per IS : 10500 : 1991 | | 100 | 80 |
| 1 | 2 | 3 | 4 | 5 |
| 1 | Nagar Palika Parisad Dabra, Gwalior (A) | 26/07/11 | 208.42 | 56.0 |
| 2 | Nagar Panchayat Pichhore Gwalior (C) | 20/12/11 | 169.1 | 27.20 |
| 3 | Nagar Panchayat Bhitarvar, Gwalior (C) | 29/11/11 | 231.48 | 12.50 |
| 4 | Nagar Panchayat, Antri, Gwl. (C) | 18/09/11 | 106.2 | 15.60 |
| 5 | Nagar Nigam, Gwalior (AA) | 16/09/11 | 302.60 | 49.28 |
| 6 | Nagar Panchayat, Bilaua, Gwalior (C) | 03/10/11 | 135.6 | 17.20 |
| 7 | Nagar Panchayat Alampur, Bhind (A) | 19/03/12 | 120.03 | 24.06 |
| 8 | Nagar Panchayat Phoof Bhind(C) | 25/12/11 | 48.66 | 44.16 |
| 9 | Nagar Panchayat Akoda Bhind(C) | 25/11/11 | 132.76 | 7.0 |
| 10 | Nagar Panchayat Lahar Bhind (B) | 04/11/11 | 35.83 | 96.40 |
| 11 | Nagar Palika Parisad Bhind(A) | 23/12/11 | 146.30 | - |
| 12 | Nagar Panchayat Mehgaon Bhind (C) | 29/12/11 | 122.55 | 25.0 |
| 13 | Nagar Palika Parisad Gohad, Bhind (A) | 10/03/12 | 110.63 | 25.55 |
| 14 | Nagar Panchayat Davoh Bhind (C) | 02/01/12 | 81.84 | - |
| 15 | Nagar Panchayat, Gormi, Bhind (B) | 21/01/12 | 51.47 | 10.83 |
| 16 | Nagar Panchayat, Mau, Bhind (C) | 25/02/12 | 120.07 | 17.20 |
| 17 | Nagar Panchayat, Mijhauna, Bhind (B) | 24/01/12 | 101.81 | 15.95 |
| 18 | Nagar Palika, Parisad Joura, Morena (B) | 23/10/11 | 287.05 | 35.60 |
| 19 | Nagar Panchayat, Kailaras, Morena (C) | 20/11/11 | 98.06 | 26.08 |
| 20 | Nagar Palika Parisad, Sabalgarh, Morena (C) | 24/09/11 | 101.0 | 16.03 |
| 21 | Nagar Panchayat, Bannmore, Morena (B) | 21/10/11 | 126.49 | 20.0 |
| 22 | Nagar Palika Parisad, Ambah, Morena (B) | 03/10/11 | 95.68 | 11.60 |

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Annexure-1

| | | | | |
|----|--|----------|--------|-------|
| 23 | Nagar Palika Parisad Porsa, Morena (B) | 02/11/11 | 100.0 | 15.0 |
| 24 | Nagar Palika Parishad Morcna (A) | 01/03/12 | 153.33 | 25.04 |
| 25 | Nagar Panchayat Jhundpura, Morena (C) | 15/03/12 | 82.22 | 23.03 |
| 26 | Nagar Palika Parisad, Datia (A) | 19/02/12 | 247.37 | - |
| 27 | Nagar Panchayat, Sevadha, Datia (C) | 14/02/12 | 122.5 | 15.62 |
| 28 | Nagar Panchayat, Indergarh, Datia (B) | 26/03/12 | 190.62 | 26.02 |
| 29 | Nagar Panchayat, Bhandar, Datia (B) | 23/03/12 | 97.11 | 24.72 |
| 30 | Nagar Palika Parisad Seopur (A) | 26/09/11 | 117.5 | 31.20 |
| 31 | Nagar Panchayat, Baroda, Seopur (B) | 03/02/12 | 52.91 | 14.76 |
| 32 | Nagar Panchayat, Vijaiapur, Seopur (C) | 04/02/12 | 128.36 | 16.10 |
| 33 | Cantoment Board Morar Gwalior | - | - | - |
| 34 | Nagar Panchayat, Badoni, Datia | - | - | - |

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Result prepared by :

Regional Officer
Gwalior

Annexure-1

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Air monitoring report

Annex. 4

| s.no. | Name of Nagar palika/Pancayat | Location of sampling point | Date of monitor. | Ambient Air quality RSPM ug/m ³ | Remark |
|-------|-------------------------------|--|--|--|--|
| 1 | Nagarpalika Shahdol | Near village Jamua - E Near village Jamua - W Near village Jamua - E Near village Jamua - W | 25.06.2013 25.06.2013 05.12.2014 05.12.2014 | 52.36 58.48 62.56 66.40 | Selection of monitoring station is away approx 1000 Meter from teaching ground no electricity connection is available at site. |
| 2 | Nagarpalika Umaria | Near new bus stand -E Near new bus stand -W | 19.02.2014 19.02.2014 | 62.24 58.32 | Selection of monitoring station is away approx 800 Meter from teaching ground no electricity connection is available at site. |
| 3 | Nagarpalika Anuppur | Near harri Railway gate-E Near harri Railway gate-W | 20.05.2014 20.05.2014 | 56.26 62.4 | Selection of monitoring station is away approx 1200 Meter from teaching ground no electricity connection is available at site. |
| 4 | Nagarpanchayat Dindori | Near Dgree collage Dindori E Near Dgree collage Dindori- W | 12.11.2014 12.11.2014 | 61.45 56.51 | Selection of monitoring station is away approx 700 Meter from teaching ground no electricity connection is available at site. |
| 5 | Nagarpanchayat Dhanpuri | --- | --- | --- | No facility available for electricity connection at site hence monitoring is not done |

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B. P. Singh



REGIONAL OFFICE M.P. POLLUTION CONTROL BOARD REWA (M.P.)

Ambient Air Analysis report of MSW Disposal site Koshta Distt. Rewa

Monitoring done by:- Regional Laboratory Rewa.

| S.No. | Date of monitoring | Parameters | Name of sampling points | | | | |
|-------|--------------------|---|---|---|------------------------------------|--|---|
| | | | Near compost plant (apprx. 50mtrs. from source) | Near MPEB Sub station (apprx. 100mts from source South) | Near main gate of compost plant | Behind the compost plant (apprx. 100mtrs. from source North) | Near primary school (apprx. 60mtrs. from source East) |
| 1 | 13/03/2013 | SPM($\mu\text{g}/\text{m}^3$) RSPM($\mu\text{g}/\text{m}^3$) SO ₂ ($\mu\text{g}/\text{m}^3$) NO _x ($\mu\text{g}/\text{m}^3$) | 515.78 81.57 16.66 30.48 | 455.79 68.84 14.58 27.94 | - - - - | - - - - | - - - - |
| 2 | 12/06/2013 | SPM($\mu\text{g}/\text{m}^3$) RSPM($\mu\text{g}/\text{m}^3$) SO ₂ ($\mu\text{g}/\text{m}^3$) NO _x ($\mu\text{g}/\text{m}^3$) | - - - - | - - - - | 422.35 87.28 10.28 20.22 | 465.38 120.34 12.14 23.39 | - - - - |
| 3 | 27/06/2014 | SPM($\mu\text{g}/\text{m}^3$) RSPM($\mu\text{g}/\text{m}^3$) SO ₂ ($\mu\text{g}/\text{m}^3$) NO _x ($\mu\text{g}/\text{m}^3$) | - - - - | - - - - | 529.36 118.30 12.39 26.35 | - - - - | - - - - |
| 4 | 28/08/2014 | RSPM($\mu\text{g}/\text{m}^3$) SO ₂ ($\mu\text{g}/\text{m}^3$) NO _x ($\mu\text{g}/\text{m}^3$) | - - - | 68.95 10.93 23.11 | - - - | - - - | 64.85 9.47 21.34 |

Indicates that value exceed the permissible limits.

Limit:- Ambient Air Quality: RSPM (PM10) = 100($\mu\text{g}/\text{m}^3$), (PM2.5) = 60($\mu\text{g}/\text{m}^3$), SO₂ = 80($\mu\text{g}/\text{m}^3$), NO_x = 80($\mu\text{g}/\text{m}^3$),

[Signature]
Chemist

[Signature]
Scientist

[Signature]
Lab. Incharge
(M.P.P.C.B. Rewa)

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REGIONAL OFFICE M.P. POLLUTION CONTROL BOARD REWA (M.P.)

Water Monitoring Report Of Hand Pump Water Analysis report of under ground water sample around MSW Disposal site Koshia Distt. Rewa

Sampling Collected by:- Regional Laboratory Rewa.

Description:- Hand pump water sample near Basti Koshia Rewa (about 100mts. in south from dump site)

| S.N o. | Date of Collection | Temp. °C | Appearance | Colour | Odour | pH | T.Solids (Mg/L) | D.Solids (Mg/L) | S.Solids (Mg/L) | Chloride (Mg/L) | T. Alkalinity (Mg/L) | T. Hardness (Mg/L) | Ca.Hardness (Mg/L) | Mg.Hardness (Mg/L) | BOD (Mg/L) | COD (Mg/L) | T.Colfom (MPN/100ml) |
|--------|--------------------|----------|------------|--------|-------|------|-----------------|-----------------|-----------------|-----------------|----------------------|--------------------|--------------------|--------------------|------------|------------|----------------------|
| 1. | 21/01/14 | 20.0 | Clear | C.L. | O.L. | 7.33 | 1080.0 | 1059.0 | 21.0 | 48.92 | - | - | - | - | 2.1 | 28.8 | 07 |
| 2. | 28/02/14 | 22.0 | Clear | C.L. | O.L. | 7.19 | 1140.0 | 1112.0 | 28.0 | 29.13 | - | - | - | - | 1.9 | 19.2 | 11 |
| 3. | 25/08/14 | 25.8 | Clear | C.L. | O.L. | 7.59 | 1150.0 | 1128.0 | 22.0 | 38.40 | 108.0 | 408.0 | 228.0 | 180.0 | 1.3 | 19.2 | 07 |
| 4. | | | | | | | | | | | | | | | | | |

Remark :- Compared with Drinking water standards, IS - 10500

Indicates that value exceed the permissible limits.

Chemist

Scientist

Lab. Incharge
(M.P.P.C.B. Rewa)



REGIONAL OFFICE M.P. POLLUTION CONTROL BOARD REWA (M.P.)

Water Monitoring Report Of Hand Pump Water Analysis report of under ground water sample around MSW Disposal site Koshta Distt. Rewa

Sampling Collected by:- Regional Laboratory Rewa.

Description:- Hand pump water sample near primary school Koshta Rewa (about 100mts.in south from dump site)

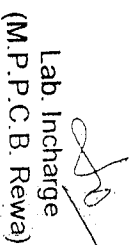
| S/N | Date of Collection | Temp °C | Appearance | Colour | Odour | pH | T.Solids (Mg/L) | D.Solids (Mg/L) | S.Solids (Mg/L) | Chloride (Mg/L) | T. Alkalinity (Mg/L) | T. Hardness (Mg/L) | Ca.Hardne ss (Mg/L) | Mg.Hardne ss (Mg/L) | BOD (Mg/L) | COD (Mg/L) | T.Coliform (MPN/100ml) |
|-----|--------------------|---------|------------|--------|-------|------|-----------------|-----------------|-----------------|-----------------|----------------------|--------------------|---------------------|---------------------|------------|------------|------------------------|
| 1. | 10/03/14 | 25.0 | Clear | C.L. | O.L. | 6.98 | 993.0 | 973.0 | 23.0 | 34.24 | 72.0 | 236.0 | 128.0 | 108.0 | 1.1 | 67.2 | 09 |
| 2. | 28/04/14 | 27.0 | Sl.Turbid | C.L. | O.L. | 7.05 | 1118.0 | 1093.0 | 25.0 | 48.92 | 80.0 | 304.0 | 184.0 | 120.0 | 1.3 | 47.6 | 07 |
| 3. | 29/05/14 | 30.0 | Sl.Turbid | C.L. | O.L. | 7.09 | 1080.0 | 1061.0 | 19.0 | 34.24 | 116.0 | 292.0 | 168.0 | 124.0 | 1.5 | 51.2 | 09 |
| 4. | 18/06/14 | 29.0 | Sl.Turbid | C.L. | O.L. | 7.15 | 1126.0 | 1111.0 | 15.0 | 68.48 | 88.0 | 268.0 | 144.0 | 124.0 | 1.2 | 28.8 | 11 |
| 5. | 15/07/14 | 32.0 | Clear | C.L. | O.L. | 7.09 | 992.0 | 974.0 | 18.0 | 24.46 | 80.0 | 248.0 | 164.0 | 84.0 | 1.1 | 9.6 | 07 |
| 6. | 25/08/14 | 25.8 | Clear | C.L. | O.L. | 7.55 | 1300.0 | 1280.0 | 20.0 | 43.76 | 116.0 | 432.0 | 248.0 | 184.0 | 1.5 | 38.4 | 09 |
| 7. | 30/09/14 | 27.0 | Sl.Turbid | C.L. | O.L. | 7.19 | 956.0 | 934.0 | 22.0 | 39.13 | 88.0 | 248.0 | 184.0 | 64.0 | 1.1 | 29.46 | 07 |
| 8. | 16/10/14 | 27.4 | Sl.Turbid | C.L. | O.L. | 7.35 | 927.0 | 901.0 | 26.0 | 39.13 | 100.0 | 256.0 | 196.0 | 60.0 | 1.2 | 31.2 | 06 |
| 9. | 26/11/14 | 23.0 | Clear | C.L. | O.L. | 7.32 | 922.0 | 902.0 | 20.0 | 44.02 | 112.0 | 184.0 | 116.0 | 68.0 | 1.9 | 21.6 | 06 |
| 10 | | | | | | | | | | | | | | | | | |

Remark :- Compared with Drinking water standards, IS -10500

Indicates that value exceed the permissible limits.


Chemist


Scientist


Lab. Incharge
(M.P.P.C.B. Rewa)

Near dumpside of (MSW) approx 50 Meter

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| Sr.No. | Characteristics | units | Nagar Parishad Armarpatan | | Nagar Parishad Kotar | | Nagar Nigam Satna | |
|--------|-----------------------|-------------|---------------------------|------------|----------------------|------------|-------------------|----------------------|
| | | | March-14 | Jun-14 | March-14 | June-14 | January 2015 | Hand Pum 500 Mtr. |
| 1 | Temperatures | 0c | 28.6 | 30.4 | 26.3 | 27.9 | 18.8 | 18.4 |
| 2 | Appearance | - | clear | clear | Clear | Clear | Cl | Cl |
| 3 | Colour | pt Co scale | colourless | colourless | Colourless | colourless | Cl | Cl |
| 4 | Odour | - | odourless | odourless | odourless | odourless | OD | OD |
| 5 | PH | pH unit | - | 7.3 | 8.0 | 8.1 | 7.3 | 7.8 |
| 6 | Specific Conductivity | µ mho/cm | 0.0384 | 0.0278 | 0.519 | 0.0219 | - | - |
| 7 | Total Solids | mg/l | 628 | 946 | 565 | 670 | 1140 | 980 |
| 8 | Dissolved solids | mg/l | 570 | 836 | 500 | 520 | 1118 | 934 |
| 9 | Suspended solids | mg/l | 68 | 110 | 65 | 150 | 28 | 46 |
| 10 | Chloride (as Cl) | mg/l | 44.98 | 49.98 | 34.98 | - | 39.98 | 29.96 |
| 11 | Total Alkalinity | mg/l | 248 | 230 | 236 | 256 | 124 | 180 |
| 12 | Total Hardness | mg/l | 232 | 200 | 224 | 200 | 216 | 392 |
| 13 | Calcium Hardness | mg/l | 216 | 180 | 208 | 180 | 156 | 312 |
| 14 | Magnesium Hardness | mg/l | 16 | 20 | 16 | 20 | 60 | 80 |
| 15 | Dissolved Oxygen | mg/l | 6.8 | 3.6 | 6.0 | 5.2 | 4.5 | 3.4 |
| 16 | BOD(3 days 27 C) | mg/l | 0.8 | Nil | 0.7 | 0.1 | 0.9 | 1.6 |
| 17 | COD | mg/l | - | 20 | - | 16 | 16 | 12 |

19 Colliery

1/2

2

Sample Collected by
Sampler & Lab Attendent

Analyzed by
1- Shri C.S.Patel, Chemist
2- Shri S.K.Mishra, Chemist

Jr. Scientist
MPPCB, Satna

Chief Chemist
MPPCB, Satna

Regional Laboratory, M.P. Pollution Control Board, Lane No. 5, House No. 318 Dawari Satna (M.P.)
 Comparative Chart of Ground Water Sample
 Near dumpside of (MSW) approx 50 Meter

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| Sr. No. | Characteristics | units | Nagar Parishad Birsinghpur | | Nagar Parishad Kothi | | N. Parishad Rampur Baghelan | | Nagar Parishad Jaiwara | | Nagar Parishad Unchethara | | Nagar Parishad Nagod | | Nagar Palika Mathar | |
|---------|-----------------------|-------------|----------------------------|--------|----------------------|---------|-----------------------------|---------|------------------------|---------|---------------------------|----------|----------------------|--|---------------------|--|
| | | | March-14 | Jun-14 | March-14 | June-14 | June-14 | June-14 | June-14 | June-14 | June-14 | March-14 | Jun-14 | | | |
| 1 | Temperatures | Oc | 26.6 | 28.9 | 26.1 | 27.4 | 28.5 | 27.9 | 28.3 | 28.0 | 29.0 | 28.6 | | | | |
| 2 | Appearance | - | clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | | | | |
| 3 | Colour | pt Co scale | CL | CL | CL | CL | CL | CL | CL | CL | CL | CL | | | | |
| 4 | Odour | - | OL | OL | OL | OL | OL | OL | OL | OL | OL | OL | | | | |
| 5 | pH | pH unit | 7.8 | 8.0 | 8.1 | 8.3 | 7.4 | 7.9 | 8.0 | 7.9 | 7.9 | 8.0 | | | | |
| 6 | Specific Conductivity | µ mho/cm | 0.490 | 0.240 | 0.510 | 0.0220 | 0.0189 | 0.236 | 0.0310 | 0.0178 | 0.0690 | 0.0389 | | | | |
| 7 | Total Solids | mg/l | 753.0 | 810.0 | 624.0 | 797.0 | 630.0 | 758.0 | 810.0 | 1030.0 | 703.0 | 719.0 | | | | |
| 8 | Dissolved solids | mg/l | 658.0 | 640.0 | 539.0 | 690.0 | 580.0 | 668.0 | 770.0 | 940.0 | 600.0 | 605.0 | | | | |
| 9 | Suspended solids | mg/l | 95.0 | 170.0 | 85.0 | 89.0 | 50.0 | 90.0 | 40.0 | 90.0 | 103.0 | 114.0 | | | | |
| 10 | Chloride (as Cl) | mg/l | 29.99 | 59.98 | 24.98 | 39.98 | 29.98 | 59.96 | 44.98 | 29.98 | 24.94 | 39.98 | | | | |
| 11 | Total Alkalinity | mg/l | 244.0 | 220.0 | 260.0 | 220.0 | 256.0 | 240.0 | 180.0 | 242.0 | 236.0 | 310.0 | | | | |
| 12 | Total Hardness | mg/l | 240.0 | 240.0 | 236.0 | 180.0 | 240.0 | 200.0 | 230.0 | 232.0 | 228.0 | 184.0 | | | | |
| 13 | Calcium Hardness | mg/l | 220.0 | 200.0 | 200.0 | 140.0 | 210.0 | 160.0 | 180.0 | 200.0 | 192.0 | 160.0 | | | | |
| 14 | Magnesium Hardness | mg/l | 20.0 | 40.0 | 36.0 | 40.0 | 30.0 | 40.0 | 50.0 | 32.0 | 32.0 | 24.0 | | | | |
| 15 | Dissolved Oxygen | mg/l | 5.5 | 3.9 | 6.9 | 5.8 | 6.0 | 5.3 | 4.9 | 4.8 | 5.7 | 4.3 | | | | |
| 16 | BOD(3 days 27 C) | mg/l | 0.8 | Nil | 0.6 | 0.4 | 0.3 | 0.1 | 0.2 | 0.2 | 0.5 | 1.0 | | | | |
| 17 | COD | mg/l | - | 20.0 | - | 30.0 | 14.0 | 18.0 | 24.0 | 14.2 | 24.0 | - | | | | |

Sample Collected by
 Sampler & Lab Attendent

Analyzed by
 1- Shri C.S. Patel, Chemist
 2- Shri S.K. Mishra, Chemist

Jr. Scientist
 MPPCB, Satna

Chief Chemist
 MPPCB, Satna


6253

Ambient Air Quality of open dumping site within RO, Bhopal

| S.No. | Location of dumping site & District | Date of Monitoring | RSPM (ug/m ³) | So ₂ (ug/m ³) | Nox (ug/m ³) |
|-------|---|--------------------|---------------------------|--------------------------------------|--------------------------|
| 1. | Municipal open dumping site, Sehore | 27.12.2014 | 235.69 | 10.89 | 54.20 |
| 2. | Municipal open dumping site, Raisen | 27.12.2014 | 279.51 | 10.76 | 54.75 |
| 3. | Municipal open dumping site, Bhanpur khanti, Bhopal | 30.10.2014 | 584.00 | 28.30 | 76.20 |

- Not Conforming NAAQ Standards.

RSPM - 100 ug/m³
 So₂ - 80 ug/m³
 Nox - 80 ug/m³


 28/01/2015
 (ए.एम. प्रसाद)
 मुख्य स्वच्छता अधिकारी
 क्षेत्रीय कार्यालय
 ए.एम. प्रदूषण नियंत्रण बोर्ड, बhopal

| Parameters | Permissible limits 10500:1991 | Bhanpur Khanti, Bhopal (Date 18.11.2014) | | | | | | | | | | | | | | Hoshangabad | | | | | | Pachmathi (29.11.14) | Budhni (dt. 14.01.15) | Sehora, Distt. Vidisha (22.01.15) |
|-----------------------------|-------------------------------|--|------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|-------|--------|-------|-------------|-----|--|--|--|--|----------------------|-----------------------|-----------------------------------|
| | | Pt. 1 (1 km) | Pt. 2 (1 km) | Pt. 3 (1.5 km) | Pt. 4 (1 km) | Pt. 5 (2.5 km) | Pt. 6 (1.5 km) | Pt. 7 (1.5 km) | Pt. 8 (2.5 km) | Pt. 1 (dt. 29.11.14) | Pt. 1 (dt. 14.01.15) | Pt. 2 (dt. 14.01.15) | Pt. 1 | Pt. 1 | Pt. 1 | | | | | | | | | |
| Turbidity (NTU) | 10.0 | 50.0 | 30.0 | 5.0 | 6.0 | 8.0 | 10.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | | | | | | | |
| Colour (Hazen) | 25.0 | Slight yellowish | Slight yellowish | CL. | CL. | CL. | CL. | CL. | CL. | CL. | CL. | CL. | CL. | CL. | CL. | CL. | CL. | | | | | | | |
| Odour | OL | OL | OL | OL | OL | OL | OL | OL | OL | OL | OL | OL | OL | OL | OL | OL | OL | | | | | | | |
| Ph | 65-85 | 7.42 | 7.75 | 7.62 | 7.68 | 8.02 | 7.35 | 7.35 | 7.35 | 7.21 | 7.09 | 6.97 | 7.51 | 6.81 | 7.13 | 7.13 | | | | | | | | |
| Total Alkalinity (mg/l) | 600.0 | 554.0 | 420.0 | 644.0 | 440.0 | 178.0 | 460.0 | 472.0 | 472.0 | 680.0 | 466.0 | 486.0 | 280.0 | 524.0 | 509.0 | 509.0 | | | | | | | | |
| Total Hardness (mg/l) | 600.0 | 776.0 | 550.0 | 140.0 | 732.0 | 302.0 | 640.0 | 560.0 | 560.0 | 640.0 | 364.0 | 384.0 | 296.0 | 424.0 | 478.0 | 478.0 | | | | | | | | |
| Calcium Hardness (mg/l) | 200.0 | 516.0 | 424.0 | 500.0 | 450.0 | 138.0 | 426.0 | 402.0 | 402.0 | 510.0 | 216.0 | 216.0 | 216.0 | 196.0 | 338.0 | 338.0 | | | | | | | | |
| Magnesium Hardness (mg/l) | 75.0 | 280.0 | 126.0 | 640.0 | 282.0 | 164.0 | 214.0 | 158.0 | 158.0 | 130.0 | 148.0 | 154.0 | 80.0 | 228.0 | 140.0 | 140.0 | | | | | | | | |
| Chloride (mg/l) | 1000.0 | 264.11 | 246.37 | 217.79 | 232.58 | 226.66 | 186.26 | 207.94 | 207.94 | 116.29 | 59.98 | 104.96 | 60.11 | 109.96 | 29.56 | 29.56 | | | | | | | | |
| TDS (mg/l) | 2000.0 | 1690.0 | 1128.0 | 1883.0 | 1292.0 | 732.0 | 1292.0 | 857.0 | 857.0 | 888.0 | 512.0 | 616.0 | 392.0 | 770.0 | 567.0 | 567.0 | | | | | | | | |
| SS (mg/l) | - | 83.0 | 76.0 | 59.0 | 42.0 | 34.0 | 40.0 | 32.0 | 32.0 | 16.0 | 10.0 | 12.0 | 12.0 | 16.0 | 14.0 | 14.0 | | | | | | | | |
| Nitrite Nitrogen (mg/l) | - | 0.74 | 0.375 | BDL | BDL | 0.145 | 0.41 | 25.5 | 25.5 | 0.155 | BDL | 0.1 | BDL | 0.17 | 0.05 | 0.05 | | | | | | | | |
| Nitrate Nitrogen (mg/l) | 100.0 | 41.5 | 21.5 | 32.0 | 175.0 | 13.0 | 23.5 | 2.8 | 2.8 | 6.0 | 11.6 | 21.0 | 3.45 | 16.8 | 13.0 | 13.0 | | | | | | | | |
| BOD (mg/l) (3 days at 27°C) | - | 4.6 | 4.0 | 2.8 | 2.6 | 1.4 | 1.8 | 2.8 | 2.8 | 0.8 | 0.6 | 0.8 | 0.7 | 1.2 | 0.8 | 0.8 | | | | | | | | |
| Sulphate (mg/l) | 400.0 | 122.5 | 24.0 | 60.0 | 52.50 | 6.5 | 62.5 | 42.5 | 42.5 | 14.75 | 8.0 | 26.25 | 5.5 | 6.0 | 7.0 | 7.0 | | | | | | | | |
| Total Coliform (MPN/100ml) | - | 280.0 | 240.0 | 22.0 | 34.0 | 50.0 | 30.0 | 80.0 | 80.0 | - | - | - | - | - | - | - | | | | | | | | |

Indicate that value exceed permissible limit, (OL=Odourless, CL= Colourless).

[Signature]
26/11/2014

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Water monitoring report

Annex. 4

| S. n | Name of Nagar palika/Panchayat | Location of sampling point | Result | | | | | Remark |
|------|---|---------------------------------------|--------|----------|-----|-----------------------|------|--|
| | | | PH | Chloride | BOD | COD COD | SS | |
| 1 | Nagar palika Shahdol distt. Shahdol | Near Rajnish Gond House 05.12.2014 | 7.62 | 78.8 | 0.8 | 19.2 | 21.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx. 500 meter |
| 2 | Nagar Parisad Jaisingh nagar. distt. Shahdol. | Near Bandgwa tola 23.01.2015 | 8.06 | 49.2 | 0.9 | 28.8 | 32.0 | -----do----- |
| 3 | Nagar Parisad Devlond distt Shahdol. | Near Adarsh School 23.01.2015 | 7.68 | 44.3 | 0.8 | 9.6 | 28.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 200 meter |
| 4 | Nagar Parisad Burhar distt. Shahdol. | Near Emali tola 22.01.2015 | 7.74 | 54.1 | 0.7 | 19.6 | 28.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 500 meter |
| 5 | Nagar palika Dhanpuri distt. Shahdol. | Near ward no. 22 22.01.2015 | 7.82 | 64.0 | 0.6 | 19.2 | 38.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance |

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| | | | | | | | | approx 200 meter |
|----|---------------------------------------|-----------------------------------|------|-------|-----|------|------|---|
| 6 | Nagar palika Beohari distt. Shahdol. | Near Shukha village 23.01.2015 | 7.86 | 54.1 | 1.1 | 9.6 | 31.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 400 meter |
| 7 | Nagar palika Umari distt. Umari. | Near Sivsén house 27.06.2014 | 7.64 | 44.4 | 0.9 | 9.2 | 49.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 600 meter |
| 8 | Nagar Parisad Pali distt. Umari. | Near ward no.14 23.01.2015 | 7.82 | 64.0 | 0.8 | 19.2 | 26.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 400 meter |
| 9 | Nagar Parisad Nawrozabad distt. Umari | 23.01.2015 | 7.79 | 59.1 | 1.1 | 9.6 | 22.0 | -----do----- |
| 10 | Nagar Parisad Chadiya distt. Umari. | --- | --- | --- | --- | --- | --- | No hand pump found nearby area |
| 11 | Nagar palika Anuppur distt. Anuppur. | Near Jaithari road 19.11.2014 | 7.69 | 49.27 | 0.8 | 19.2 | 29.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 500 meter |
| 12 | Nagar palika Pasan distt. Anuppur. | Near masjid 23.01.2015 | 8.05 | 44.3 | 0.6 | 9.6 | 23.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance |

| | | | | | | | | approx 600 meter |
|----|---|--|------|-------|-----|------|------|---|
| 13 | Nagar palika kotma distt. Anuppur. | Near Nigvani road 23.01.2015 | 7.95 | 49.2 | 0.5 | 9.6 | 28.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 600 meter |
| 14 | Nagar Parisad Amarkantak distt. Anuppur. | Near Shahdol to Amarkantak road 23.01.2015 | 7.62 | 44.3 | 1.2 | 19.2 | 28.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 3000 meter |
| 15 | Nagar Parisad Bijuri distt. Anuppur. | Near Korja phatak 23.01.2015 | 7.59 | 44.4 | 1.0 | 19.2 | 26.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 400 meter |
| 16 | Nagar Parisad Jaithari distt. Anuppur. | --- | --- | --- | --- | --- | --- | No hand pump found nearby area |
| 17 | Nagar Parisad Shahpura distt. dindori | Near Shahu enterprises 23.01.2015 | 7.82 | 49.27 | 0.9 | 28.8 | 36.0 | There is no facility at site for collection of sample hence sample was taken. nearest hand pump at distance approx 500 meter |
| 18 | Nagarpanchat Dindori | Near Dgree collage Dindori 12.11.2014 | 7.85 | 49.2 | 1.0 | 9.2 | 45.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 600 meter |

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Annex. 4

Water monitoring report

| S. n | Name of Nagar palika/Paneyat | Location of sampling point | Result | | | | | Remark |
|------|---|---------------------------------------|--------|----------|-----|-----------------------|------|---|
| | | | PH | Chloride | BOD | COD COD | SS | |
| 1 | Nagar palika Shahdol distt. Shahdol | Near Rajnish Gond House 05.12.2014 | 7.62 | 78.8 | 0.8 | 19.2 | 21.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 500 meter |
| 2 | Nagar Parisad Jaisingh nagar. distt. Shahdol. | Near Bandgwa tola 23.01.2015 | 8.06 | 49.2 | 0.9 | 28.8 | 32.0 | -----do----- |
| 3 | Nagar Parisad Devlond distt Shahdol. | Near Adarsh School 23.01.2015 | 7.68 | 44.3 | 0.8 | 9.6 | 28.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 200 meter |
| 4 | Nagar Parisad Burhar distt. Shahdol. | Near Emali tola 22.01.2015 | 7.74 | 54.1 | 0.7 | 19.6 | 28.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 500 meter |
| 5 | Nagar palika Dhanpuri distt. Shahdol. | Near ward no. 22 22.01.2015 | 7.82 | 64.0 | 0.6 | 19.2 | 38.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance |

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| | | | | | | | | | approx 200 meter |
|----|--|-----------------------------------|------|-------|-----|------|------|---|------------------|
| 6 | Nagar palika Beohari distt. Shahdol. | Near Shukha village 23.01.2015 | 7.86 | 54.1 | 1.1 | 9.6 | 31.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 400 meter | |
| 7 | Nagar palika Umaria distt. Umaria. | Near Sivsén house 27.06.2014 | 7.64 | 44.4 | 0.9 | 9.2 | 49.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 600 meter | |
| 8 | Nagar Parisad Pali distt. Umaria. | Near ward no.14 23.01.2015 | 7.82 | 64.0 | 0.8 | 19.2 | 26.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 400 meter | |
| 9 | Nagar Parisad Nawrozabad distt. Umaria | 23.01.2015 | 7.79 | 59.1 | 1.1 | 9.6 | 22.0 | -----do----- | |
| 10 | Nagar Parisad Chadiya distt. Umaria. | | | | | | | No hand pump found nearby area | |
| 11 | Nagar palika Anuppur distt. Anuppur. | Near Jaithari road 19.11.2014 | 7.69 | 49.27 | 0.8 | 19.2 | 29.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 500 meter | |
| 12 | Nagar palika Pasan distt. Anuppur. | Near maszid 23.01.2015 | 8.05 | 44.3 | 0.6 | 9.6 | 23.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance | |

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| | | approx 600 meter | | | | | | |
|----|---|--|------|-------|-----|------|------|---|
| 13 | Nagar palika kotma distt. Anuppur. | Near Nigwani road 23.01.2015 | 7.95 | 49.2 | 0.5 | 9.6 | 28.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 600 meter |
| 14 | Nagar Parisad Amarkantak distt. Anuppur. | Near Shahdol to Amarkantak road 23.01.2015 | 7.62 | 44.3 | 1.2 | 19.2 | 28.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 3000 meter |
| 15 | Nagar Parisad Bijjuri distt. Anuppur. | Near Korja phatak 23.01.2015 | 7.59 | 44.4 | 1.0 | 19.2 | 26.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 400 meter |
| 16 | Nagar Parisad Jaithari distt. Anuppur. | | | | | | | No hand pump found nearby area |
| 17 | Nagar Parisad Shahpura distt.dindori | Near Shahu enterprises 23.01.2015 | 7.82 | 49.27 | 0.9 | 28.8 | 36.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 500 meter |
| 18 | Nagarpanchat Dindori | Near Dgree collage Dindori 12.11.2014 | 7.85 | 49.2 | 1.0 | 9.2 | 45.0 | There is no facility at site for collection of sample hence sample was taken nearest hand pump at distance approx 600 meter |

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Ro/RWA

REGIONAL LABORATORY M. P. POLLUTION CONTROL BOARD - REWA (MP)

Water Analysis Report of U/G water samples around Municipal local bodies of RO Rewa
 Sample Collected by -Dr. S Mathur, Dr AK Tiwan Chemist, Dk Shukla JSA, RP Patel LA, & Naveen Dube, LA, Rewa

| S. No | Name of the sampling points | Date of Collection | Temp. °C | App. | Colour | Odour | pH | Turbidity | Name of Parameters | | | | | | | C.O.D. Mg/L | Total Cell count MPN/100ML | | |
|-------|--|--------------------|----------|-------|--------|-------|------|-----------|--------------------|-------------|-----------|---------------|---------------------|------------------|------------------|-------------|----------------------------|-----------------|-------------|
| | | | | | | | | | T.S. Mg/L | T.D.S. Mg/L | S.S. Mg/L | Chloride Mg/L | Total Hardness Mg/L | Ca Hardness Mg/L | Mg Hardness Mg/L | | | Alkalinity Mg/L | B.O.D. Mg/L |
| 1. | Hand pump water sample near Mangwana MSW Dumping Site (approx 200mtrs) | 21.01.15 | 18.0 | Clear | CL | OL | 7.98 | 7.0 | 963.0 | 915.0 | 48.0 | 83.16 | 536.0 | 316.0 | 220.0 | 168.0 | 1.5 | 38.4 | 12 |
| 2. | Hand pump water sample near Baikunthpur MSW Dumping Site (approx 300mtrs) | 21.01.15 | 18.5 | Clear | CL | OL | 7.69 | 4.0 | 645.0 | 613.0 | 32.0 | 63.59 | 264.0 | 156.0 | 108.0 | 100.0 | 1.4 | 28.8 | 9 |
| 3. | Hand pump water sample near Sirmour MSW Dumping Site (approx 500mtrs) | 21.01.15 | 18.0 | Clear | CL | OL | 7.81 | 3.0 | 755.0 | 731.0 | 24.0 | 49.27 | 416.0 | 256.0 | 160.0 | 124.0 | 1.1 | 28.8 | 7 |
| 4. | Hand pump water sample near Govindgarh MSW Dumping Site (approx 800mtrs) | 21.01.15 | 18.6 | Clear | CL | OL | 7.44 | 3.0 | 560.0 | 539.0 | 21.0 | 44.08 | 244.0 | 164.0 | 80.0 | 108.0 | 1.0 | 19.2 | 4 |
| 5. | Municipal council Hanumana Tehsil Hanumana Distt Rewa Handpump tube well water apposite MSW dumping site | 02.02.15 | 19.5 | Clear | CL | OL | 6.80 | 0.3 | 633.0 | 608.0 | 25.0 | 53.81 | 284.0 | 192.0 | 92.0 | 48.0 | 1.8 | 19.64 | 04 |
| 6. | Municipal council Mauganj Tehsil Mauganj Distt Rewa Handpump tube well water approx 100 meters from MSW dumping site near residential area | 02.02.15 | 19.5 | Clear | CL | OL | 7.12 | 0.3 | 723.0 | 694.0 | 29.0 | 127.19 | 268.0 | 156.0 | 112.0 | 56.0 | 1.9 | 19.64 | 07 |
| 7. | Municipal council Tehsil Naigadhi Distt Rewa | 02.02.15 | 19.8 | Clear | CL | OL | 8.30 | 0.2 | 684.0 | 659.0 | 25.0 | 78.27 | 292.0 | 184.0 | 108.0 | 112.0 | 1.5 | 29.46 | 07 |

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|-----|--|----------|------|--------|----------|---------|------|----|-------|-------|------|--------|-------|-------|-------|-------|------|-------|-----|
| 8. | Handpump tube well water approx 100 meters from MSW dumping site near residential area Municipal council Chackghat Tehsil Teonther Distt. Rewa Accumulated water sample collected from dumping site pool | 08.02.15 | 20.0 | Turbid | Brownish | pungent | 8.0 | 04 | 17180 | 16430 | 75.0 | 415.82 | 632.0 | 332.0 | 300.0 | 308.0 | 20.0 | 147.3 | 500 |
| 9. | Municipal council Chackghat Distt Rewa Under ground water sample from tube well; water supply near dumping site | 08.02.15 | 19.0 | Clear | CL | OL | 8.14 | 15 | 738.0 | 757.0 | 31.0 | 259.27 | 436.0 | 252.0 | 184.0 | 132.0 | 2.4 | 68.74 | 21 |
| 10. | Municipal council Gurch Tehsil Distt Rewa Handpump tube well water approx 50 meters from MSW dumping site | 18.02.15 | 21.0 | Clear | CL | OL | 8.28 | 04 | 704.0 | 671.0 | 33.0 | 48.92 | 316.0 | 220.0 | 96.0 | 88.0 | 2.0 | 19.64 | 06 |
| 11. | Municipal council Rampur Naikin Distt Sidhi Handpump tube well water approx 500 meters from MSW dumping site | 18.02.15 | 21.2 | Clear | CL | OL | 7.85 | 03 | 763.0 | 729.0 | 34.0 | 107.62 | 324.0 | 224.0 | 100.0 | 136.0 | 1.8 | 19.64 | 07 |
| 12. | Municipal council Churnut Distt Sidhi Handpump tube well water approx 200 meters from MSW dumping site, ward 1. | 19.02.15 | 21.3 | Clear | CL | OL | 8.22 | 04 | 607.0 | 575.0 | 32.0 | 44.02 | 260.0 | 152.0 | 108.0 | 112.0 | 1.6 | 9.82 | 06 |
| 13. | Municipal council Sidhi Distt Sidhi Handpump tube well water approx 100 meters from MSW dumping site Village Bhamarna | 19.02.15 | 21.0 | Clear | CL | OL | 8.31 | 06 | 814.0 | 777.0 | 37.0 | 29.35 | 320.0 | 180.0 | 140.0 | 148.0 | 1.9 | 19.64 | 08 |

Remark : Compared with IS-10500 (drinking water specification) for sample no. 1-13 except sample no. 8 which is accumulated water near dumping site

☐ Indicates that value exceed the permissible limits.

(Signature)
Chemist
(Analytically)

(Signature)
Scientist

(Signature)
Laboratory Incharge
M.P.C.B.Rewa

(Signature)
Tehsil Chackghat

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ANNEXURE A-3

Regional Office
M.P Pollution Control Board
17, Bharatpuri, Ujjain (MP)

**Subject;- Details of Land fill Site at Village Bibrod (Survey No.- 466, 466/1,
Area 3.00 Hectare, Ratlam District Ratlam (M.P.)**

Municipal Corporation Ratlam (RMC) had Submitted proposal to develop MSW processing and disposal facility at Village **Bibrod** District Ratlam during submission of application for obtaining authorization under MSW rules 2000.

Authorization under MSW Rules 2000 has issued by H.O. Bhopal letter no. 15272 dated 04.09.2004 The validity of authorization under MSW rules 2000 was up to 31.08.2005. Environmental Clearance is not required in this case as acquisition of land and authorization under MSW Rules 2000 has issued before 14.09.2006.

Capacity : (As per authorization)

| | | |
|---|----|---------|
| A. Composting of Biological Municipal Solid Waste | -- | 20 MT/D |
| B. Incineration of Bio resistant | -- | 06 MT/D |
| C. Sanitary land filling inert waste | -- | 28 MT/D |
| D. Recycling of Reliable Waste | -- | 06 MT/D |

Present Status:

Presently RMC is partially disposing waste on authorised land. Treatment & processing plant has not been installed so far.

As mentioned above RMC had submitted proposal (during application for obtaining authorization under MSW rules 2000) for development of treatment & disposal facility for municipal solid waste generated in Ratlam

(A) The Proposal includes following items in landfill:

1. Design period : 20 years
2. For design purpose , density of solid waste at land fill site assumed is : 850 kg/m³. 40% of solid wastes quantity has been considered for land fillable & remaining 80% as process material
3. Total depth of land fill : 15.75 m including liner system and top cover system

Depth of landfill where waste will be deposited : 8.1 above ground level and 7.65 m below ground level.

4. Side slope below bund level for land fill section is : 1:2
5. Side slope above bund level for land fill section is : 1:4
6. Bottom Lining system : lining of 90 cm clay having permeability coefficient not greater than 1×10^{-7} and 1.5 mm high HDPE geo-membrane.
7. Top liner system after completion of each phase of operation
8. Construction of Garland drains
9. Construction of storm water drain.
10. Construction of leachate collection sump
11. Treatment of leachate by constructing holding tank and facultative lagoon
12. Construction of gas vent

(B) Infrastructures for land fill site are also proposed as follows:-

1. Boundary wall/ fencing with gate.
2. Approach road, internal roads road side storm water drains.
3. Guard house.
4. Administrative building and laboratory.
5. Weigh bridge and record room.
6. Labours rest room.
7. Vehicle parking shed cu store room.
8. Vehicle cleaning shed.
9. . Water supply and sanitation facility
10. Leachate collection sump.
11. Fire protection system.
12. Electrical works (electrical panel, internal & external lighting etc.).

Note :- Presently there is no development of site and no facilities (as proposal) provided by the DMC at the site. Only dumping of MSW is partially carried out at the site.

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Regional Office
M P Pollution Control Board
17, Bharatpuri, Ujjain (MP)

Subject :- Details of Land fill Site at Village Patwari Kalka 18 (Survey No. 1258 & 1257, Area 10.00 Hectare, Nagda Road Dewas District Dewas (M.P.)

Municipal Corporation Dewas (DMC) had Submitted proposal to develop MSW processing and disposal facility at Village Patwari Kalka District Dewas during submission of application for obtaining authorization under MSW rules 2000.

Authorization under MSW Rules 2000 has issued by H.O. Bhopal letter no. 14020 dated 19.08.2004 The validity of authorization under MSW rules 2000 was up to 31.08.2005. Environmental Clearance is not required in this case as acquisition of land and authorization under MSW Rules 2000 has issued before 14.09.2006.

Capacity :- (As per authorization)

A. Sanitary land filling -- 589 Quintal

Present Status:

Presently DMC is Partially disposing waste on land. Treatment & processing plant has not been installed so far.

As mentioned above RMC had submitted proposal (during application for obtaining authorization under MSW rules 2000) for development of treatment & disposal facility for municipal solid waste generated in Dewas.

(A) The Proposal includes following items in landfill:

1. Design period : 20 years
2. For design purpose, density of solid waste at land fill site assumed is : 850 kg/m³. 40% of solid wastes quantity has been considered for land fillable & remaining 80% as process material
3. Total depth of land fill : 15.75 m including liner system and top cover system

Depth of landfill where waste will be deposited : 8.1 above ground level and 7.65 m below ground level.

4. Side slope below bund level for land fill section is : 1:2
5. Side slope above bund level for land fill section is : 1:4
6. Bottom Lining system : lining of 90 cm clay having permeability coefficient not greater than 1×10^{-7} and 1.5 mm high HDPE geo-membrane.
7. Top liner system after completion of each phase of operation
8. Construction of Garland drains
9. Construction of storm water drain
10. Construction of leachate collection sump
11. Treatment of leachate by constructing holding tank and facultative lagoon
12. Construction of gas vent

(B) Infrastructures for land fill site are also proposed as follows:-

1. Boundary wall/ fencing with gate.
2. Approach road, internal roads road side storm water drains.
3. Guard house.
4. Administrative building and laboratory.
5. Weigh bridge and record room.
6. Labours rest room.
7. Vehicle parking shed cu store room.
8. Vehicle cleaning shed.
9. Water supply and sanitation facility.
10. Leachate collection sump.
11. Fire protection system.
12. Electrical works (electrical panel, internal & external lighting etc.).

Note :- Presently there is no development of site and no facilities (as proposal) provided by the DMC at the site. Only dumping of MSW is partially carried out at the site.

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Regional Office
M P Pollution Control Board
 17, Bharatpuri, Ujjain (MP)

Subject:- Details of Land fill Site at Village Sailana Bodina Road, Ratlam District Ratlam (M.P.)

Nagar Panchyat, Sailana has Submitted proposal to develop MSW processing and disposal facility at Village Sailana District Ratlam during application for obtaining authorization under MSW rules 2000)

Authorization under MSW Rules 2000 has issued by R.O. Ujjain letter no. 68 dated 09.04.2003 The validity of authorization under MSW rules 2000 was up to 31.08.2005. Environmental Clearance is not required in this case as acquisition of land and authorization under MSW Rules 2000 has issued before 14.09.2006.

Capacity :- (As per office Record)

| | | |
|---|----|---------|
| A. Composting of Biological Municipal Solid Waste | -- | 05 MT/D |
| B. Recycling of Reliable Waste | -- | 02 MT/D |

Present Status:

Presently waste segregated at source & collected in double chambered vehicle (Tata Magic) . Then take it to composting pit where waste put in to pit with cow dung for composting. Recyclable waste sent to for recycling.

As mentioned above RMC had submitted proposal (during application for obtaining authorization under MSW rules 2000) for development of treatment & disposal facility for municipal solid waste generated in Ratlam

(A) The Proposal includes following items in landfill:

1. Design period : 20 years
2. For design purpose , density of solid waste at land fill site assumed is : 850 kg/m³. 40% of solid wastes quantity has been considered for land fillable & remaining 80% as process material
3. Total depth of land fill : 15.75 m including liner system and top cover system
Depth of landfill where waste will be deposited : 8.1 above ground level and 7.65 m below ground level.
4. Side slope below bund level for land fill section is : 1:2

5. Side slope above bund level for land fill section is : 1:4
6. Bottom Lining system : lining of 90 cm clay having permeability coefficient not greater than 1×10^{-7} and 1.5 mm high HDPE geo-membrane.
7. Top liner system after completion of each phase of operation
8. Construction of Garland drains
9. Construction of storm water drain not constructed
10. Construction of leachate collection sump.
11. Treatment of leachate by constructing holding tank and facultative lagoon
12. Construction of gas vent

(B) Infrastructures for land fill site are also proposed as follows:-

1. Boundary wall/ fencing with gate.
2. Approach road, internal roads road side storm water drains.
3. Guard house.
4. Administrative building and laboratory.
5. Weigh bridge and record room.
6. Labours rest room.
7. Vehicle parking shed cu store room.
8. Vehicle cleaning shed.
9. Water supply and sanitation facility.
10. Leachate collection sump.
11. Fire protection system.
12. Electrical works (electrical panel, internal & external lighting etc.). It is partially completed

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Regional Office
M P Pollution Control Board
17, Bharatpuri, Ujjain (MP)

Subject :- Details of Land fill Site at Village Patwari Kalka 18 (Survey No. 1258 & 1257, Area 10.00 Hectare, Nagda Road Dewas District Dewas (M.P.)

Municipal Corporation Dewas (DMC) had Submitted proposal to develop MSW processing and disposal facility at Village Patwari Kalka District Dewas during submission of application for obtaining authorization under MSW rules 2000.

Authorization under MSW Rules 2000 has issued by H.O. Bhopal letter no. 14020 dated 19.08.2004 The validity of authorization under MSW rules 2000 was up to 31.08.2005. Environmental Clearance is not required in this case as acquisition of land and authorization under MSW Rules 2000 has issued before 14.09.2006.

Capacity :- (As per authorization)

A. Sanitary land filling -- 589 Quintal

Present Status:

Presently DMC is Partially disposing waste on land. Treatment & processing plant has not been installed so far.

As mentioned above RMC had submitted proposal (during application for obtaining authorization under MSW rules 2000) for development of treatment & disposal facility for municipal solid waste generated in Dewas.

(A) The Proposal includes following items in landfill:

1. Design period : 20 years
2. For design purpose, density of solid waste at land fill site assumed is : 850 kg/m³. 40% of solid wastes quantity has been considered for land fillable & remaining 80% as process material
3. Total depth of land fill : 15.75 m including liner system and top cover system

Depth of landfill where waste will be deposited : 8.1 above ground level and 7.65 m below ground level.

4. Side slope below bund level for land fill section is : 1:2
5. Side slope above bund level for land fill section is : 1:4
6. Bottom Lining system : lining of 90 cm clay having permeability coefficient not greater than 1×10^{-7} and 1.5 mm high HDPE geo-membrane.
7. Top liner system after completion of each phase of operation
8. Construction of Garland drains
9. Construction of storm water drain
10. Construction of leachate collection sump
11. Treatment of leachate by constructing holding tank and facultative lagoon
12. Construction of gas vent

(B) Infrastructures for land fill site are also proposed as follows:-

1. Boundary wall/ fencing with gate.
2. Approach road, internal roads road side storm water drains.
3. Guard house.
4. Administrative building and laboratory.
5. Weigh bridge and record room.
6. Labours rest room.
7. Vehicle parking shed cu store room.
8. Vehicle cleaning shed.
9. Water supply and sanitation facility.
10. Leachate collection sump.
11. Fire protection system.
12. Electrical works (electrical panel, internal & external lighting etc.).

Note :- Presently there is no development of site and no facilities (as proposal) provided by the DMC at the site. Only dumping of MSW is partially carried out at the site.

Regional Office
M P Pollution Control Board
17, Bharatpuri, Ujjain (MP)

Subject :- Details of Land fill Site at Village Gondia (S.N. 250, Area 24.62 Hectare, Ujjain District Ujjain (M.P.)

Municipal Corporation Ujjain (UMC) had Submitted proposal to develop MSW processing and disposal facility at Village **Gondia** District Ujjain during application for obtaining authorization under MSW rules 2000.

Authorization under MSW Rules 2000 has issued by H.O. Bhopal letter no. 14018 dated 19.08.2004 The validity of authorization under MSW rules 2000 was up to 31.08.2005. Environmental Clearance is not required in this case as acquisition of land and authorization under MSW Rules 2000 has issued before 14.09.2006.

Capacity : (As per authorization)

| | | |
|---|----|----------|
| A. Composting of Biological Municipal Solid Waste | -- | 50 MT/D |
| B. Sanitary land filling inert waste | -- | 150 MT/D |

Present Status:

Presently UMC is disposing MSW on land. Treatment & processing plant has not been installed so far.

As mentioned above RMC had submitted proposal (during application for obtaining authorization under MSW rules 2000) for development of treatment & disposal facility for municipal solid waste generated in Ujjain

(A) The Proposal includes following items in landfill:

1. Design period : 20 years
2. For design purpose, density of solid waste at land fill site assumed is : 850 kg/m³. 40% of solid wastes quantity has been considered for land fillable & remaining 80% as process material
3. Total depth of land fill : 15.75 m including liner system and top cover system

Depth of landfill where waste will be deposited : 8.1 above ground level and 7.65 m below ground level.

4. Side slope below bund level for land fill section is : 1:2
5. Side slope above bund level for land fill section is : 1:4
6. Bottom Lining system : lining of 90 cm clay having permeability coefficient not greater than 1×10^{-7} and 1.5 mm high HDPE geo-membrane.
7. Top liner system after completion of each phase of operation
8. Construction of Garland drains
9. Construction of storm water drain not constructed
10. Construction of leachate collection sump-Proposed
11. Treatment of leachate by constructing holding tank and facultative lagoon
12. Construction of gas vent

(B) Infrastructures for land fill site are also proposed as follows:-

1. Boundary wall/ fencing with gate was. It is presently completed.
2. Approach road, internal roads road side storm water drains. It is partially completed.
3. Guard house. It is completed.
4. Administrative building and laboratory.
5. Weigh bridge and record room.
6. Labours rest room.
7. Vehicle parking shed cum store room.
8. Vehicle cleaning shed.
9. Water supply and sanitation facility provided
10. Leachate collection sump.
11. Fire protection system. It is completed.
12. Electrical works (electrical panel, internal & external lighting etc.) It is completed.

Note :- UMC has fenced the proposed site and partially developed the site but treatment & processing facility is not installed till date. UMC has partially dumping MSW at the authorized site.

**Note on compliance of MSW (Management and Handling) Rules 2000 by
Municipal Corporation Indore (MCI)**

There is about 800 MTD of generation of Municipal solid waste from Indore city. The Municipal solid waste is transported to the trenching ground at Devguradia Indore. Nagar Nigam Indore has installed the Municipal solid waste processing plant in PPP Model with M/s A 2 Z Infrastructure Ltd of capacity 500 MTD. Presently company is processing about 300-350 MTD of Municipal solid waste and remaining Municipal solid waste is going to trenching ground for open dumping. The processing plant at Devguradia consists of following units:-

1. Presorting plant- feed Conveyor, Trammel(100 mm) , Conveyors under, conveyor over's, Magnetic separator
2. Compost plant-
 - (a) semi finish line - Conveyor, Trammel(50 mm), Conveyors under, conveyor over's , Trammel(16mm), Conveyors under, conveyor over's.
 - (b) Finish line -Feeding conveyor, rotary screen (4mm), Conveyors under, conveyor over's
3. RDF Plant- Feed conveyor, Shredder, conveyor,
4. Secure land fill site (2 cells) at trenching ground Devguradia for final disposal of inert waste material left during processing. The capacity of both the cells of SLF is about 6 lacks MT.

Municipal Corporation Indore is required to enhance the capacity of processing plant to take care of whole quantity of daily waste generated from city Indore. Board gave directions to MCI, but it did not increase the processing capacity so far. Board has filled court case under section 15 of E (P) Act 1986 on dated 24.07.2014, which is pending before Honorable CJM Indore.

(R.O. Indore)

Subject:- Details of Land fill Site at Village Kathonda, District - Jabalpur

Municipal Corporation Jabalpur (JMC) has Submitted proposal to develop MSW processing and disposal facility at Village Kathonda, Jabalpur District Jabalpur.

The JMC has obtained Environmental Clearance under requirement of EIA Notification vide letter no 49/EPCO/SEIAA dated 13/04/2011. JMC has obtained Authorisation under Municipal Solid wastes (M&H) Rules 2000 which was valid up to 30/06/2012.

Capacity :

Sanitary landfill (mechanical composting)
Compost Plant : 300 TPD
Area of Sanitary Land fill site : 30.77 Hectare

Present Status:

1st Cell of Sanitary landfill : 155271 MT Capacity (already filled)
(Constructed in 2011)
2nd Cell of Sanitary landfill : 87742 Capacity (under use)
(Constructed in 2012)

JMC has provided storage facility partially complying the MSW Rules. Treatment & processing plant has not been installed so far.

As mentioned above JMC has submitted proposal for development of treatment & disposal facility for municipal solid waste generated in Jabalpur

(A) The Proposal includes following items in landfill:

1. Design period : 20 years
2. For design purpose , density of solid waste at land fill site assumed is : 850 kg/m³. 40% of solid wastes quantity has been considered for land fillable & remaining 80% as process material
3. Total depth of land fill : 15.75 m including liner system and top cover system
Depth of landfill where waste will be deposited : 8.1 above ground level and 7.65 m below ground level.
4. Side slope below bund level for land fill section is : 1:2
5. Side slope above bund level for land fill section is : 1:4
6. Bottom Lining system : lining of 90 cm clay having permeability coefficient not greater than 1×10^{-7} and 1.5 mm high HDPE geo-membrane.
7. Top liner system after completion of each phase of operation
8. Construction of Garland drains
9. Construction of storm water drain
10. Construction of leachate collection sump
11. Treatment of leachate by constructing holding tank and facultative lagoon
12. Construction of gas vent

13. (B) Infrastructures for land fill site are also proposed as follows:-

1. Boundary wall/ fencing with gate
2. Approach road, internal roads road side storm water drains
3. Guard house
4. Administrative building and laboratory
5. Weigh bridge and record room
6. Labours rest room
7. Vehicle parking shed cu store room
8. Vehicle cleaning shed
9. Water supply and sanitation facility
10. Leachate collection shump
11. Fire protection system
12. Electrical works (electrical panel, internall & external lighting etc.)

(Signature)

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ANNEXURE A-4

M.P. Pollution Control Board

NGT Case No. 199/2014 New Delhi

Annexure

Workshops/Interaction Meets/Rallies

NGT Case No. 199/2014 New Delhi
DETAILS OF AWARENESS PROGRAMME, WORKSHOP, INTERACTION MEET,
RALLIES ORGANISED
FOR IMPLEMENTATION OF MSW, Rules, 2000

| S. No. | Name of Regional Office | Title of activity | Date | Venue |
|--------|---------------------------|--|----------|---------------------------------|
| 1. | Regional Office, Gwalior | Regarding compliance of MSW Rules, 2000 All CMOs, Commissioner Nagar Nigam, Gwalior, NGOs, Media have participated | 28/08/10 | Hotel Central Park, Gwalior |
| | | Compliance of MSW Rules, 2000 All CMOs, Commissioner Nagar Nigam, Gwalior, NGOs, Media have participated | 07/01/12 | Hotel Central Park, Gwalior |
| | | Regarding compliance of MSW Rules, 2000 All CMOs, Commissioner Nagar Nigam, Gwalior, NGOs, Media have participated | 05/03/14 | Hotel Central Park, Gwalior |
| 2. | Regional Office, Sagar | Workshop on Municipal Solid Waste Management | 14/02/07 | Sagar |
| | | Awareness/Training Workshop on Waste Management | 27/08/13 | Chattarpur |
| 3. | Regional Office, Jabalpur | Workshop on "Municipal Solid Waste (Management & Handling) Rules, 2000 | 05/10/07 | Hotel Surya Ashoka, Jabalpur |
| | | Orientation workshop for Rag Pickers | 06/10/10 | Hotel Gulzar Towers, Jabalpur |
| | | Workshop on "Lyophilization skin & hides of animals. MSW Rules and Plastic Rules | 25/06/11 | Hotel Gulzar Towers, Jabalpur |
| | | Workshop on "Municipal Solid Waste Management including Plastic Waste" | 18/10/11 | Hotel Gulzar Towers, Jabalpur |
| | | "Health checkup and awareness camp for Environment Friends (Rag Pickers) for proper management of municipal solid waste (MSW). | 01/06/12 | Hotel Gulzar Towers, Jabalpur |
| | | Training Workshop on "Implementation of Environmental Act Rules applicable to local bodies" | 09/01/13 | Hotel Gulzar Towers, Jabalpur |
| 4. | Regional Office, Indore | Interaction meet with All Commissioner and CMOs of local bodies of Indore and Ujjain divisions, Officers of MPPCB | 24/09/11 | Hotel Fortune Land Mark, Indore |
| | | Environment awareness rally for School children, local body officials, Govt. Officers, NGOs, Local public | 24/01/13 | Omkareshwar, dist. Khandwa |
| | | Environment Awareness Rally for School children, Local body officials, Govt. Officers, NGOs, Local Public | 26/06/14 | Punasa, dist. Khandwa |

| | | | | |
|-----|----------------------------|--|---------------------------|--------------------------------|
| 5. | Regional Office, Guna | Workshop on Municipal Solid Waste, Rules, 2000 | 07/03/14 | Hotel Sara, Guna |
| | | Awareness Program and distribution of pamphlets | 02/10/14 | Raghogarh, dist. Guna |
| 6. | Regional Office, Ujjain | Awareness program on Municipal Solid Waste, Rules, 2000 | 20/12/13 | Mandsaur |
| | | Interaction meet with Local Body Officials for management of Municipal Solid Waste Rules, 2000 | August, 2014 Dec. 2014 | Ujjain |
| 7. | Regional Office, Satna | Workshop for compliance of the MSW Rules, 2000 | 25/05/11 | Hotel Bharhut, Satna |
| | | Workshop for compliance of the MSW Rules, 2000 and Plastic Waste Management. | 23/02/13 | Hotel Bharhut, Satna |
| 8. | Regional Office, Bhopal | Workshop on Administrative and legal challenge for implementation of MSW Rules, 2000 | 04/01/14 | Bhopal |
| | | Workshop on Solid Waste and Plastic waste management | 16/02/12 | Bhopal |
| 9. | Regional Office, Dhar | Workshop for compliance of the MSW Rules, 2000. | August, 2013 | Dhamnod, dist. Dhar |
| | | Awareness rally on Municipal Solid Waste Rules, 2000 | 10/01/14 | Dharamपुरi, dist. Dhar |
| 10. | Regional Office, Shahdol | Workshop for compliance of the MSW Rules, 2000 | 31/03/12 | Hotel Kundan, Shahdol |
| | | Workshop for compliance of the MSW Rules, 2000 | 27/08/13 | Nagar Palika Parishad, Shahdol |
| | | Workshop for compliance of the MSW Rules, 2000 | 23/08/14 | Nagar Palika Parishad, Shahdol |
| 11. | Regional Office, Rewa | Interaction meet with Local Body Officials for management of Municipal Solid Waste Rules, 2000 | 22/08/14 | Rewa |
| | | Seminar on Municipal Solid Waste Rules, 2000 | 06/09/14 | Rewa |
| 12 | Regional Office, Singrauli | Awareness rally, Nukkad Natak, Exhibition on Municipal Solid Waste & plastic Waste management, | 2/11/11 | Singrauli |
| | | Awareness Program on municipal solid Waste in residential colony & slum colony. | 25/09/12 | Singrauli |
| | | Awareness rally, Nukkad Natak, Exhibition on Municipal Solid Waste & plastic Waste management. | 3/06/14 | Singrauli |
| | | Municipal solid waste & Idol immersion awareness programme | 30/8/2014 | Singrauli |

(True copy)

**List of Municipal Corporation against whom prosecution have been filed
under EPA 1986 for violation of MSW Rules,2000**

| S.No. | Distt. | Name of Local Body & Category | court case file on dated |
|-------|-------------|-------------------------------|--------------------------|
| 1. | Bhopal | Nagar Nigam Bhopal, | 10-12-2004 |
| 2. | Raisen | Nagar Palika,Raisen | 23-02-2015 |
| 3. | Raisen | Nagar Palika,Begamganj | 23-02-2015 |
| 4. | Raisen | Nagar Palika,Mandideep | 23-02-2015 |
| 5. | Raisen | Nagar Parishad,Bareli | 23-02-2015 |
| 6. | Raisen | Nagar Parishad, Obedullahganj | 23-02-2015 |
| 7. | Raisen | Nagar Parishad, Udaypura, | 23-02-2015 |
| 8. | Raisen | Nagar Parishad,Sanchi, | 23-02-2015 |
| 9. | Raisen | Nagar Parishad, Sultanpur, | 23-02-2015 |
| 10. | Raisen | Nagar Parishad, Badi, | 23-02-2015 |
| 11. | Raisen | Nagar Parishad, Gairatganj | 23-02-2015 |
| 12. | Raisen | Nagar Parishad Silwani | 23-02-2015 |
| 13. | Hoshangabad | Nagar Palika Hoshangabad | 13-02-2015 |
| 14. | Hoshangabad | Nagar Palika Itarsi | 24-02-2015 |
| 15. | Hoshangabad | Nagar Parishad, Babai, | 24-02-2015 |
| 16. | Harda | Nagar Palika,Harda | 23-02-2015 |
| 17. | Harda | Nagar Parishad,Khirkiya. | 23-02-2015 |
| 18. | Harda | Nagar Parishad, Timarni, | 23-02-2015 |
| 19. | Betul | Nagar Palika Betul | 20-02-2015 |
| 20. | Betul | Nagar Palika Aamla | 20-02-2015 |
| 21. | Betul | Nagar Palika Sarni | 20-02-2015 |
| 22. | Betul | Nagar Palika Multai | 20-02-2015 |
| 23. | Betul | Nagar Parishad, Bhensdehi, | 20-02-2015 |
| 24. | Betul | Nagar Parishad, Betul Bazar, | 20-02-2015 |
| 25. | Betul | Nagar Parishad, Chichouli. | 20-02-2015 |
| 26. | Betul | Nagar Parishad, Aathner | 20-02-2015 |
| 27. | Vidisha | Nagar Palika Vidisha | Under Process |
| 28. | Vidisha | Nagar Palika Ganjbasoda | Under Process |
| 29. | Vidisha | Nagar Palika Sironj | Under Process |
| 30. | Vidisha | Nagar Parishad,Kurwai | Under Process |
| 31. | Vidisha | Nagar Parishad,Lateri | Under Process |
| 32. | Vidisha | Nagar Parishad,Shamshabad | Under Process |
| 33. | Hoshangabad | Nagar Palika Seoni-Malwa | Under Process |
| 34. | Hoshangabad | Nagar Palika Pipariya | Under Process |
| 35. | Hoshangabad | Nagar Parishad, Sohaagpur, | Under Process |
| 36. | Sehore | Nagar Palika,Sehore | Under Process |
| 37. | Sehore | Nagar Palika,Aashta, | Under Process |
| 38. | Sehore | Nagar Parishad Budni | Under Process |
| 39. | Sehore | Nagar Parishad Jawar | Under Process |
| 40. | Sehore | Nagar Parishad, Ichhawar | Under Process |
| 41. | Sehore | Nagar Parishad, Rehti, | Under Process |
| 42. | Sehore | Nagar Parishad, Nasrullaganj, | Under Process |
| 43. | Sehore | Nagar Parishad, Kothri | Under Process |

| | | | |
|-----|------------|--|---------------|
| 44. | Sehore | Nagar Parishad Shahganj | Under Process |
| 45. | Bhopal | Nagar Palika, Berasia, | Under Process |
| 46. | Dhar | Nagar Palika Parishad, Dhar | 03-02-2015 |
| 47. | Dhar | Nagar Palika Parishad, Pithampur | 03-02-2015 |
| 48. | Guna | Nagar Palika Parisad, Guna | 25-02-2015 |
| 49. | Bhind | Nagar Palika Parisad Gohad, Bhind (A) | 27-02-2015 |
| 50. | Morena | Nagar Palika Parishad Morena (A) | 28-02-2015 |
| 51. | Datia | Nagar Palika Parishad Datia | 02-03-2015 |
| 52. | Gwalior | Nagar Palika Parishad Dabra | 25-02-2015 |
| 53. | Indore | Nagar Nigam, Indore | 24-07-2014 |
| 54. | Burhanpur | Nagar Nigam, Burhanpur | 29-01-2015 |
| 55. | Khandwa | Nagar Nigam, Khandwa | 29-01-2015 |
| 56. | Khargon | Nagar Palik Parishad, Barwaha | 30-01-2015 |
| 57. | Burhanpur | Nagar Palik Parishad, Nepa Nagar | 29-01-2015 |
| 58. | Jabalpur | Nagar Nigam, Jabalpur | 28-02-2015 |
| 59. | Balaghat | Nagar Palika Parishad, Balaghat. | 03-03-2015 |
| 60. | Balaghat | Nagar Palika Parishad Waraseoni, Balaghat. | 03-03-2015 |
| 61. | Chindwara | Nagar Palika Parishad Chindwara | 03-03-2015 |
| 62. | Chindwara | Nagar Palika Parishad Pandhurna, | Under Process |
| 63. | Chindwara | Nagar Parishad Sausar, Chhindwara. | 03-03-2015 |
| 64. | Narsingpur | Nagar Palika Parishad, Narsinghpur. | 03-03-2015 |
| 65. | Narsingpur | Nagar Parishad Kareli, Narsinghpur. | 03-03-2015 |
| 66. | Seoni | Nagar Palika Parishad, Seoni. | 03-03-2015 |
| 67. | Seoni | Nagar Parishad Lakhnadon, Seoni. | 03-03-2015 |
| 68. | Mandla | Nagar Palika Parishad, Mandla. | 02-03-2015 |
| 69. | Mandla | Nagar Palika Parishad Nainpur, Mandla. | 02-03-2015 |
| 70. | Mandla | Nagar Parishad Bamhribanjar, Mandla. | 02-03-2015 |
| 71. | Mandla | Nagar Parishad Bichhiya, Mandla. | 02-03-2015 |
| 72. | Mandla | Nagar Parishad Niwas, Mandla. | 02-03-2015 |
| 73. | Katni | Nagar Nigam Katni | 14-07-2014 |
| 74. | Katni | Nagar Parishad Kymore | 03-02-2015 |
| 75. | Katni | Nagar Parishad Barhi. | 03-02-2015 |
| 76. | Rewa | Nagar Panchayat Maugang Distt. Rewa | 21-02-2015 |
| 77. | Rewa | Nagar Palik Nigam, Rewa | 23-02-2006 |
| 78. | Rewa | Nagar Panchayat Naigarhi Distt. Rewa | 21-02-2015 |
| 79. | Rewa | Nagar Panchayat Hanumana Distt. Rewa | 21-02-2015 |
| 80. | Rewa | Nagar Panchayat Theother Distt. Rewa | 10-02-2015 |
| 81. | Rewa | Nagar Panchayat Sirmour Distt. Rewa | 06-02-2015 |
| 82. | Rewa | Nagar Panchayat Baikunthpur Distt. Rewa | 06-02-2015 |
| 83. | Sidhi | Nagar Palika Sidhi Distt. Sidhi | 31-01-2015 |
| 84. | Sidhi | Nagar Panchayat Rampur Naikin Distt. Sidhi | 04-02-2015 |
| 85. | Sidhi | Nagar Panchayat Churhat Distt. Sidhi | 31-01-2015 |
| 86. | Shahdol | Nagar Palika Shahdol-B | 29-01-2015 |
| 87. | Ujjain | Nagar Parisad, Mahidpur-A | 16-02-2015 |
| 88. | Ujjain | Nagar Parisad, Nagda-A | 16-02-2015 |
| 89. | Ujjain | Nagar Parisad, Khachrod-A | 16-02-2015 |
| 90. | Ujjain | Nagar Parisad, Badnagar-A | 16-02-2015 |
| 91. | Ujjain | Nagar Panchayat, Unhel-C | 16-02-2015 |
| 92. | Ujjain | Nagar Panchayat, Tarana-B | 16-02-2015 |
| 93. | Dewas | Nagar Panchayat, Bhorasa-B | 18-02-2015 |

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|------|----------|--------------------------------|---------------|
| 94. | Dewas | Nagar Panchayat, Sonkatch-B | 18-02-2015 |
| 95. | Dewas | Nagar Panchayat, Hatpipliya-B | 18-02-2015 |
| 96. | Dewas | Tonkkhurd-C | 18-02-2015 |
| 97. | Dewas | Pipalraon-C | 18-02-2015 |
| 98. | Shajapur | Nagar Parisad , Shajapur-A | 20-02-2015 |
| 99. | Shajapur | Nagar Parisad , Shujalpur-A | 20-02-2015 |
| 100. | Shajapur | Nagar Panchayat, Akodiya-C | 20-02-2015 |
| 101. | Shajapur | Nagar Panchayat, Polayakalan-C | 20-02-2015 |
| 102. | Ratlam | Nagar Nigam, Ratlam-A | Under Process |

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