



अखिल भारतीय आयुर्विज्ञान संस्थान, भुवनेश्वर  
All India Institute of Medical Sciences, Bhubaneswar  
सिजुआ, पोस्ट: डुमुदुमा, भुवनेश्वर -751019  
Sijua, Post: Dumuduma, Bhubaneswar – 751019

AIIMS/BBSR/Admin/LS & RS/223

15731

Dt: 19.03.2021

To

Shri Baidyanath Prasad,  
Under Secretary to the Government of India,  
Ministry of Health and Family Welfare (Hospital-II Section)  
Nirman Bhawan, New Delhi-110011

Sub: **Rajya Sabha Question Dy.No. U4519 for 23.03.2021 regarding "Management of Liquid Waste from Hospitals".**

Ref: **Ministry of Health and Family Welfare, (Hospital-II Section), Government of India, Nirman Bhawan, New Delhi letter No. H.11017/07/2021-H-II dated 16.03.2021 received vide e-mail dt 16.03.2021.**

Sir/Madam,

The undersigned is directed to furnish the desired information on the **Rajya Sabha Question Dy.No. U4519 for 23.03.2021 regarding "Management of Liquid Waste from Hospitals" concerning to AIIMS, Bhubaneswar, for taking further necessary action at your end:-**

Sl. No.	Rajya Sabha Question Dy.No. U4519 for 23.03.2021 regarding "Management of Liquid Waste from Hospitals"	Reply
(a)	Whether Government has any measures to ensure efficient management of liquid wastes originating from Hospitals;	As per Bio Medical Waste Management Rules-2016, Bio Medical Waste Management (Amendment) Rules, 2018 & Bio Medical Waste Management (Second Amendment) Rules, 2019 the liquid waste generated at AIIMS, Bhubaneswar is collected and treated at Effluent Treatment Plant (ETP) and Sewage Treatment Plant (STP). The treated waste water is periodically checked by third party and utilized for gardening/horticulture work in the Campus, Analysis Report attached at <b>Annexure-I</b> .
(b)	if so the details thereof, and if not, the reasons therefor;	Flow Charts of Sewerage Treatment Plant (STP) 500 KLD and Effluent Treatment Plant (ETP) 100 KLD are attached as <b>Annexure-II &amp; III</b> .
(c)	Whether Government has set up Institutions to study the harmful effects of Liquid Wastes;	<b>Not pertaining to AIIMS, Bhubaneswar.</b>
(d)	The details of the number and percentage of total hospitals found to be not treating the liquid wastes efficiently, State-wise	<b>Not pertaining to AIIMS, Bhubaneswar.</b>
(e)	Whether Government envisions setting up a mechanism and allied penalties to ensure that the liquid wastes from hospitals are treated and managed efficiently; and	The facility at AIIMS, Bhubaneswar is inspected by the authorities of Central/State Pollution Control Board, Govt of India and State Govt. (Letter of Inspection Report attached as <b>Annexure-IV</b> ).
(f)	If so, the details thereof?	<b>Not Applicable.</b>

This is issued with the approval of the Director, AIIMS, Bhubaneswar.

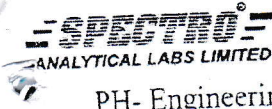
भवदीय /Yours faithfully,

डी. सी. पटनायक / (D. C. Pattnaik)  
प्रशासनिक अधिकारी /Administrative Officer  
एम्स, भुवनेश्वर /AIIMS, Bhubaneswar

Enclosures: As above.

Copy to:

1. PS to Director for kind information of the Director.
2. PS to DD (A) for kind information of the DD (A).
3. **Director (PMSSY)**, Ministry of Health & Family Welfare, PMSSY Division, 3rd Floor, IRCS Building, Red Cross Road, New Delhi, 110001 for kind information and necessary action.
4. Shri S. M. Routray, Deputy Secretary, Ministry of Health & Family Welfare, PMSSY Division, 3rd Floor, IRCS Building, Red Cross Road, New Delhi, 110001 for kind information and necessary action.
5. Shri Shambhu Kumar, Under Secretary to the Govt. of India, Ministry of Health and Family Welfare, PMSSY-IV Section, 3<sup>rd</sup> Floor, IRCS Building, New Delhi for kind information and necessary action.
6. Shri Bikramjit Choudhury, Under Secretary to Govt. of India, Ministry of Health and Family Welfare, PMSSY, Government of India, 3rd Floor, IRCS Building, Red Cross Road, New Delhi, for kind information and necessary action.
7. Shri Shubham Goel, Assistant Section Officer (PMSSY Division), Ministry of Health and Family Welfare, Government of India, 3<sup>rd</sup> Floor, IRCS Building, New Delhi for information and necessary action.



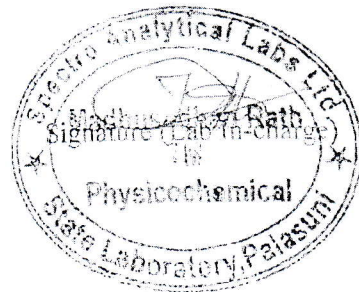
Spectro Analytical Labs Limited, F. No./ SALL/TRF-STB  
PH- Engineering State State Lab, Palasuni, P.O- Rasulgarh., Bhubaneswar -751010.

Sample ID : STB201125 / 1429  
Customer Name : M/s S.M .Water Solutions,Kharavela Complex, Khandagiri,  
Bhubaneswar -19.  
Sampling Location : AIIMS Hospital (STP) Bhubaneswar  
Sample / Source : Waste Water ( STP Outlet)  
Sample collection Date : 25.11.20  
Sample Receipt Date : 25.11.20  
Analysis completed on : 02.12.20

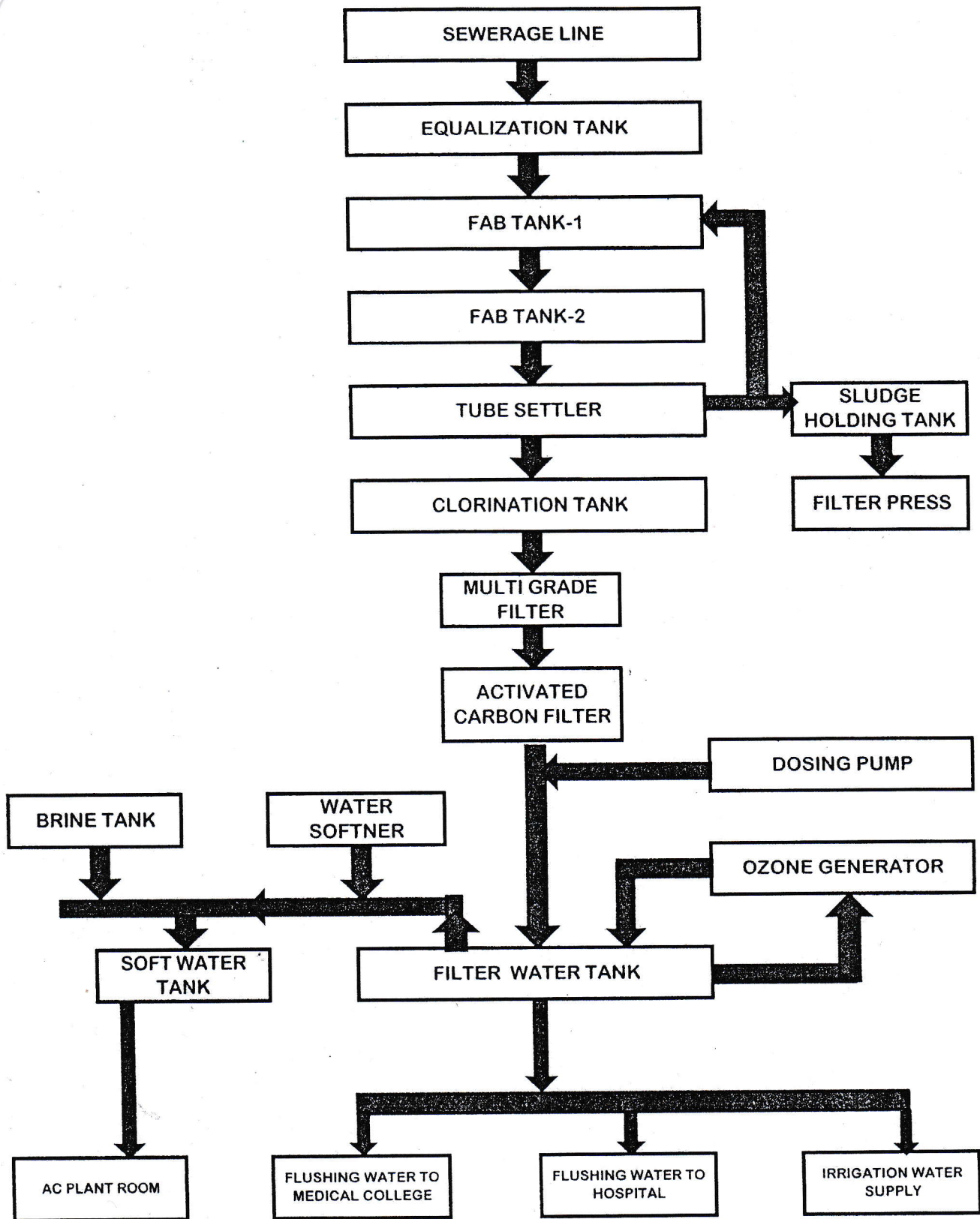
Sr. No.	PARAMETERS	TEST METHODS	OBTAINED RESULTS
1	pH	IS: 3025 (Pt-11): 1983,(Cl.2),RA-2017	7.16
2	Total Suspended Solids (mg/l)	IS :3025 (P-17),1984 (RA-2017)	2
3	BOD (mg/l)	IS:3025-Part 44 (1993) (RA-2019)	6
4	COD (mg/l)	IS:3025-Part 58 (2006)(RA-2017)	48
5	Oil & Grease (mg/l)	APHA 23 <sup>rd</sup> Edition 5220 (B)	0

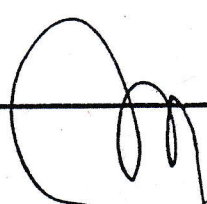
End of Report

Bhatarpathy  
Signature (Analyst):#

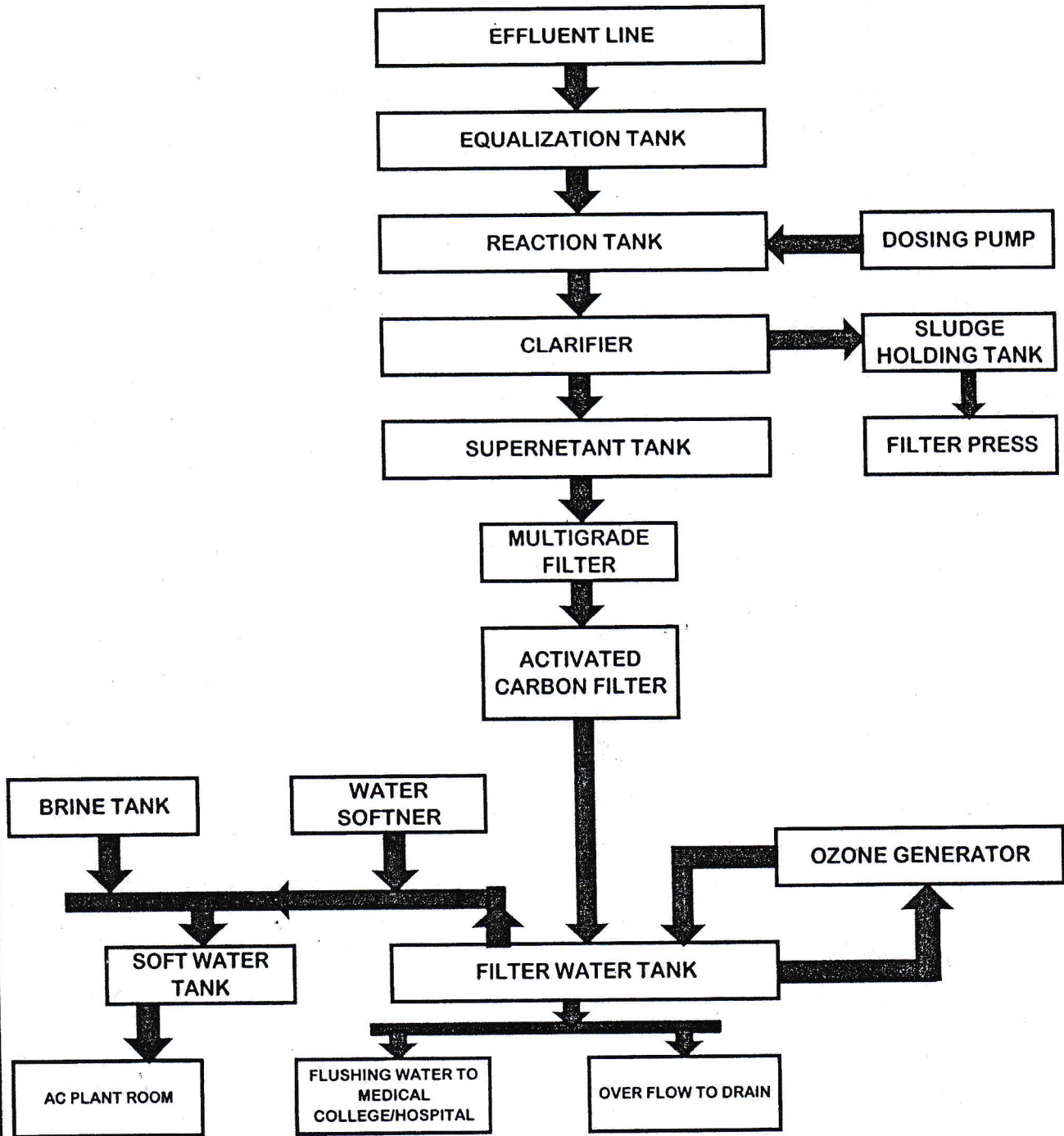


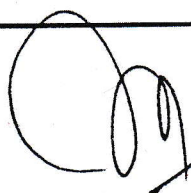
# LOW CHART OF SEWERAGE TREATMENT PLANT(STP) 500KLD



  
S.K. Mohanty  
Executive Engineer (Civil)  
AIIMS, Bhubaneswar

### FLOW CHART OF EFFLUENT TREATMENT PLANT(ETP) 100KLD



  
S.K. Mohanty  
Executive Engineer (Civil)  
AIIMS, Bhubaneswar

REGIONAL OFFICE  
STATE POLLUTION CONTROL BOARD, ODISHA, BHUBANESWAR  
DEPARTMENT OF FOREST & ENVIRONMENT, GOVERNMENT OF ODISHA  
Plot No. B-59/2 & B-59/3, Chandika Industrial Estate, Patia, Po- KHE  
Email: rso@spcb.ori.nic.in or rso@spcb.ori.org, Website: www.spcb.ori.nic.in  
Bhubaneswar - 751024, ODISHA, INDIA

FORM-A

Notice of Inspection  
(Form No. 1)

DR. B.B. DASH  
REGIONAL OFFICER

No. 2430  
Date 22/7/20

To: 109S ATIMS  
Bhubaneswar

Take notice that for the purpose of enquiry under section 257a of Water (Prevention & Control) Act, 1974 the following officers of the Board hereby:-

- i) Dr. R.K. Mishra (S)
- ii) Dr. D.K. Saha (S)
- iii)
- iv)

and the persons authorised by the Board to assist them shall inspect the

- 1. Water Works
- 2. Sewage Works
- 3. Waste treatment plant
- 4. Factories
- 5. Disposal system

Any other parts thereof or pertaining thereto under your management/control on date 22/7/20 hereon. All facilities requested by them for such inspection should be made available for them on the spot. Take notice that refusal or denial to above stated demand made for performance of functions of the Board shall amount to obstruction punishable under Section 42 of the Act.

By Order of the Board

*[Signature]*  
REGIONAL OFFICER,  
BHUBANESWAR

Copy to:  
[Blank lines for distribution list]