



# STATE FOREST RESEARCH INSTITUTE

## राज्य वन अनुसंधान संस्थान

(An Autonomous Institute of Forest Department, Govt. of Madhya Pradesh)

(वन विभाग का स्वायत्तशासी संस्थान, मध्यप्रदेश शासन)

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क्रमांक/ईको/

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जबलपुर, दिनांक/17/11/2017

### आदेश

राज्य वन अनुसंधान संस्थान, जबलपुर के अन्तर्गत Forest Ecology & Environment Branch की EIA प्रयोगशाला में Air Pollution Monitoring, Noise Pollution Monitoring & Water Pollution Monitoring के परीक्षण शुल्क का माह नवम्बर 2017 से निम्नानुसार निर्धारण किया जाता है।

#### A. Physicochemical parameters of water

S. No.	Model No.	Parameters	Unit	EIA Lab Rate/ Sample (In Rs.)
1	HI 83200 Multiparameter Bench Photo meter	Alkalinity	0 to 500 mg/L (ppm) as CaCO <sub>3</sub>	50
2		Aluminum	0.00 to 1.00 mg/L (ppm)	50
3		Ammonia LR	0.00 to 3.00 mg/L (ppm)	75
4		Ammonia MR	0.00 to 10.00 mg/L (ppm)	75
5	Yelp BOD Sys-6	BOD	mg/L (5 days, 20 °C)	400
6	HI 83200 Multiparameter Bench Photo meter, *HI 93102 Multiparameter , **Metler Toledo/ FG4I	*Bromine	0.00 to 8.00 mg/L (ppm)	50
7		Calcium	0 to 400 mg/L (ppm)	100
8		Chlorine Dioxide	0.00 to 2.00 mg/L (ppm)	100
9		*Chlorine, Free	0.00 to 2.50 mg/L (ppm)	75
10		*Chlorine, Total	0.00 to 3.50 mg/L (ppm)	75
11		Chromium VI HR	0 to 1000 µg/L	75
12		Chromium VI LR	0 to 300 µg/L	75
13		COD HR	0 to 15000 mg/L	250
14		COD LR	0 to 150 mg/L	250
15		COD MR	0 to 1500 mg/L	250
16		Color of Water	0 to 500 PCU	50
17		Copper HR	0.00 to 5.00 mg/L (ppm)	150
18		Copper LR	0 to 1000 µg/L	100
19		*Cyanuric Acid	0 to 80 mg/L (ppm)	75
20		Fluoride	0.00 to 2.00 mg/L (ppm)	100
21	Hardness, Calcium	0.00 to 2.70 mg/L (ppm)	75	

S. No.	Model No.	Parameters	Unit	EIA Lab Rate/ Sample (In Rs.)
			(as CaCO <sub>3</sub> )	
22		Hardness, Magnesium	0.00 to 2.00 mg/L (ppm) (as CaCO <sub>3</sub> )	75
23		Hydrazine	0 to 400 µg/L	75
24		*Iodine	0.0 to 12.5 mg/L (ppm)	75
25		Iron HR	0.00 to 5.00 mg/L (ppm)	75
26		*Iron LR	0 to 400 µg/L	150
27		Magnesium	0 to 150 mg/L (ppm)	100
28		Manganese HR	0.0 to 20.0 mg/L (ppm)	100
29		Manganese LR	0 to 300 µg/L	250
30		Molybdenum	0.0 to 40.0 mg/L (ppm)	100
31		Nickel HR	0.00 to 7.00 g/L (ppt)	400
32		Nickel LR	0.000 to 1.000 mg/L (ppm)	400
33		Nitrate	0.0 to 30.0 mg/L (ppm)	100
34		Nitrite HR	0 to 150 mg/L (ppm)	100
35		Nitrite LR	0.00 to 1.15 mg/L (ppm)	100
36		**Oxygen, Dissolved	0.0 to 10.0 mg/L (ppm)	100
37		Ozone	0.00 to 2.00 mg/L (ppm)	75
38		*pH	6.5 to 8.5 pH	50
39		Phosphate HR	0.0 to 30.0 mg/L (ppm)	100
40		Phosphate LR	0.00 to 2.50 mg/L (ppm)	100
41		Phosphorus	0.0 to 15.0 mg/L (ppm)	100
42		Potassium HR	20 to 200 mg/L (ppm)	150
43		Potassium LR	0.0 to 20.0 mg/L (ppm)	150
44		Potassium MR	10 to 100 mg/L (ppm)	150
45		Silica	0.00 to 2.00 mg/L (ppm)	75
46		Silver	0.000 to 1.000 mg/L (ppm)	400
47		Sulfate	0 to 100 mg/L (ppm)	100
48	HI 98192 USP Meter	Temperature	-20 to 120 (OC)	50
49	HI 93102 Multiparameter	Turbidity	0.00 to 50.00 NTU	50
50	HI 83200 Multiparameter Bench Photo meter	Zinc	0.00 to 3.00 mg/L (ppm)	100
51	HI 98192 USP Meter	Electrical Conductivity	0.00 to 400 mS/cm	50
52		TDS	mg/L	50
53		Salinity (NaCl)	%	50
54		Resistivity	ohms	50

## B. Air quality parameters

S. No.	Model No.	Parameters	Unit	EIA Lab Rate/Sample (In Rs.)
1	Aerocet-831	PM 1.0	$\mu\text{g}/\text{m}^3$	1500
2		PM 2.5	$\mu\text{g}/\text{m}^3$	
3		PM 4.0	$\mu\text{g}/\text{m}^3$	
4		PM 10.0	$\mu\text{g}/\text{m}^3$	
5		TSP	$\mu\text{g}/\text{m}^3$	
7	Ecom-En2 Gas Sampler	O <sub>2</sub>	%	3000
8		CO	ppm	
9		NO	ppm	
10		NO <sub>2</sub>	ppm	
11		SO <sub>2</sub>	ppm	
12		CO <sub>2</sub>	ppm	

## C. Noise parameter

S. No.	Model No.	Parameters	Unit	EIA Lab Rate/Sample (In Rs.)
1	Sound Level Meter -100	Sound level	34 dB- 134 dB	1500

(डॉ० धर्मेन्द्र वर्मा)

संचालक

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जबलपुर, दिनांक 17/11/2017

प्रतिलिपि:- उपसंचालक/वन पारिस्थितिकी एवं पर्यावरण शाखा प्रबंध, राज्य वन अनुसंधान संस्थान, जबलपुर की और सूचनार्थ।

संचालक

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