

शालबनी प्रेस:

पो.: आर.बि.एन.एम.एल, शालबनी: ७२११३२

पश्चिम मेदिनीपुर, पश्चिम बंगाल, भारत

Salboni Press:

P.O.: R.B.N.M.L., Salboni : 721 132

Paschim Medinipur, West Bengal, INDIA

Phone No.: 91-3227-280212, 280213

Fax No. : 91-3227-280744, 280222

E-mail : salbonipress@brbnmpl.co.in

CIN-U85110KA1995PTC017100



ISO 9001 :2015  
ISO 14001 :2015  
COMPANY

CIN :U22213KA1995PTC017100

भारतीय रिज़र्व बैंक  
नोट मुद्रण (प्रा.) लिमिटेड

(भारतीय रिज़र्व बैंक के संपूर्ण स्वामित्वाधीन सहायक कंपनी)

**BHARATIYA RESERVE BANK  
NOTE MUDRAN (P) LIMITED**

(Wholly owned subsidiary of Reserve Bank of India)

BNM No.: 161 /(S) 16.01.11/2023-24

Dated: 01/06/2023

**By Email in pdf format only**

संयुक्त सचिव,  
पर्यावरण वन और जलवायु परिवर्तन मंत्रालय,  
पूर्वी क्षेत्रीय कार्यालय,  
A/3, चंद्रशेखरपुर, भुवनेश्वर – 751023

The Joint Director,  
Ministry of Environment, Forest and  
Climate Change,  
Eastern Regional Office,  
A/3, Chandrasekharpur, Bhubaneswar –  
751023  
Email: [roez.bsr-mef@nic.in](mailto:roez.bsr-mef@nic.in)

Dear Sir,

**Sub: Half yearly Compliance Report of the Project and Monitoring Report on  
Environment Management Plan including particulars of Green Belt, Afforestation etc. for  
BRBNMPL, Salboni Press, P.O. RBNML, Dist. Paschim Medinipur, West Bengal as on  
31/03/2023**

This has reference to your letters No. 102-41/11/EPE/2247 dated 18/08/2017 and 106-12/EPE dated 11/05/2020 on the captioned subject. Please find enclosed herewith the Status Report and Monitoring Report for half yearly return up to 31/03/2023 of our establishment as per your revised format for your kind perusal and further action please. Copy of Public Liability Insurance is also enclosed for your perusal.

“Soft copy (in pdf format)” of this report shall be forwarded to your office email ID: [roez.bsr-mef@nic.in](mailto:roez.bsr-mef@nic.in) for your reference please.

The same soft copy (in pdf format) of this report shall be uploaded on our Company's Website having URL ID: [www.brbnmpl.co.in](http://www.brbnmpl.co.in)

भवदीय / Yours faithfully,

भा.रि.बै.नो.मु.प्रा.लि. शालबनी की ओर से

For & on behalf of BRBNMPL, Salboni

  
( P.M Mahapatra )

उप महाप्रबंधक / Deputy General Manager

Encl.: As above in Thirty One (31) pages.

## STATUS REPORT OF THE PROJECT

### 1. Green belt development:

Total Green Belt Area : 116.42 ha.  
Total Avenue plantation : 4.8 ha.  
Total landscaped & beautified area : 3.5 ha.

Total Area of the project : 580 Acre (235 ha.)  
Plant area : 63 Acre (25.50 ha.)  
Township Area : 517 Acre (209.50 ha.)

Now the green belt is covering 53.00% of the total Project Area. Since the area of green belt already provided, is more than the stipulated target for afforestation i.e. 25%, now maintenance of the existing green belts, avenue plantations, landscaped & beautified areas are being undertaken by us.

### 2. Supply of fuel to the construction Workers:

Since the major construction activities are already over, no fuel woods are being used by the construction workers.

### 3. Marshy lands around project site:


There is no marshy land around the project site.

### 4. Treatment of effluent:

i) A new ETP has been set up for treating the industrial effluent generated from the Plant to Zero discharge. The hazardous wastes are being disposed safely through State Pollution Control Board authorized agencies.

ii) The domestic sewage generated from the Plant and Township is treated in Sewage Treatment Plant-I & II. Treated water from Sewage Treatment Plants is used for gardening and afforestation purpose. The solid waste from STP is used as manure for plantation. Sewage samples are taken quarterly before & after treatment and samples are tested through the approved agency of West Bengal Pollution Control Board. All the test parameters are within the limits. Recent test reports enclosed.

Date: 01/06/2023

  
Signature of Office-in-Charge  
(Chief General Manager)

স্বাক্ষর করে / স্বাক্ষর করে  
গণপ্রজাতন্ত্রী বাংলাদেশ / Chief General Manager  
স্বাক্ষর করে / স্বাক্ষর করে  
DHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.  
স্বাক্ষর করে / স্বাক্ষর করে / স্বাক্ষর করে / স্বাক্ষর করে (W)  
স্বাক্ষর করে / (W.B.) - 721132



## COMPLIANCE REPORT

1. Project type : : Industry (Currency Note Printing).
2. Name of the Project : Bharatiya Reserve Bank Note Mudran Private Limited, Salboni.
3. Clearance letter (s) OM No. & Date : J-11011/20/88-1A dated 25.05.1988.
4. Period of Compliance Report : October , 2022 to March, 2023

### **I. Specific Conditions:**

<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance Status</b>
<b>1</b>	Location	
<b>a</b>	District (s)	Paschim Medinipur
<b>b</b>	State (s)	West Bengal
<b>2.a</b>	Address of concerned project Chief Engineer (with Pincode and telephone/telex/fax Nos.)	Chief General Manager BRBNMPL, SALBONI, P.O. R.B.N.M.L., PIN – 721 132 Dist. Paschim Medinipur ( W.B.) Tel : 03227-280735. Fax : 03227-280744.
<b>2.b</b>	Address of Executive project Engineer/Manager (with Pincode and telephone/telex/fax Nos.)	Chief General Manager BRBNMPL, SALBONI, P.O. R.B.N.M.L., PIN – 721 132 Dist. Paschim Medinipur ( W.B.) Tel : 03227-280735. Fax : 03227-280744.
<b>3</b>	Salient features	
<b>a</b>	of the Project	Bank Note Printing Press
<b>b</b>	of the environmental management plans	Exclusive afforestation and captive Sewage Treatment Plants for treatment of domestic Sewage. Also Effluent Treatment Plant has been set up for treating industrial effluent to conform Zero discharge from the Factory.
<b>4</b>	Breakup of the project area	
<b>a</b>	Submergence area ( forest and non-forest)	NIL
<b>b</b>	Others	580 Acres (including 63 Acres of Plant Area)
<b>5</b>	Break up of project affected population, with enumeration of those losing houses/dwelling units only, agricultural land only, both dwelling units and agricultural land and landless labourers/artisans.	
<b>a</b>	SC, ST/Adivasis	NIL
<b>b</b>	Others	NIL

## II. General Conditions:

Sr. No.	Conditions	Compliance Status
1	Financial Details	
a	Project cost as originally planned and subsequent revised estimates and the years of price reference	Rs.1597.19 Crores (approx.) as on 31/03/2023
b	Allocations made for environmental management plans, with item-wise and year-wise breakup.	As enclosed in Annexure
c	Benefit cost ratio/internal rate of return and the year of assessment.	-
d	Whether (c) includes the cost of environmental management as shown in (b) above.	-
e	Actual expenditure incurred on the Project so far.	Rs.1597.19 Crores (approx.).
f	Actual expenditure incurred on the environmental management plans so far Fy 2022-23	<p>Approx. <b>Rs.3.68 Crores</b>  (Maintenance cost of STP-I/II, WSTP &amp; ETP + Statutory fees for Consent to Operate &amp; Hazardous Waste Authorization + Disposal of Hazardous waste + Charges for Monitoring of Emission &amp; Waste + Afforestation)</p> <p>Afforestation Rs. 1,67,04,135.00  Environment Expenses + Rs. 2,01,43,805.00  (Till 31/03/2023)</p> <p><b>Total Rs. 3,68,47,940.00</b></p>
2	Forest land requirements	Exclusive afforestation and captive Sewage Treatment Plants for treatment of domestic Sewage. Also Effluent Treatment Plant has been set up for treating industrial effluent to conform Zero discharge from the Factory.
a	The status of approval for a diversion of forest land for non-forestry use.	N/A
b	The status of clear feeling in forest and non-forest lands.	N/A
c	Comments on the viability and sustainability of compensatory afforestation programme in the light of actual field experience so far.	N/A
3	Status of construction	
a	Date of commencement (actual and/or planned)	Commencement of the Project – July 1991.
b	Date of completion (actual and/or planned)	PH-I : Completed on Dec. 1996 PH-II : Completed in June 2001
4	Reasons for the delay if the Project is yet to start	N/A

Date: 01/06/2023

Signature of Office-in-Charge

(Chief General Manager)

Dr. Sivakumar Pavani

मुख्य महाप्रबंधक / Chief General Manager

भारतीय रिजर्व बैंक नोट मद्रास (प्रा.) लि.

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.

मालखो, मेदिनीपुर (असम) / Salboni, Medinipur (W)

दफ्तरीय फोन / (W.B.) - 721132



c) Survival % of Plantation:- (1,15,518/1,65,756) overall 70%.

Particulars	1 <sup>st</sup> Year 92- 93	2 <sup>nd</sup> Year 93- 94	3 <sup>rd</sup> Year 94- 95	4 <sup>th</sup> Year 95-96	5 <sup>th</sup> Year 96- 97	6 <sup>th</sup> Year 97- 98	7 <sup>th</sup> Year 98- 99	8 <sup>th</sup> Year 99- 00	9 <sup>th</sup> Year 00- 01	10 <sup>th</sup> Year 01- 02	11 <sup>th</sup> Year 02- 03	12 <sup>th</sup> Year 03- 04	13 <sup>th</sup> Year 04- 05	14 <sup>th</sup> Year 05- 06	15 <sup>th</sup> Year 06- 07	16 <sup>th</sup> Year 07-08	17 <sup>th</sup> Year 08-09	18 <sup>th</sup> Year 09- 10
Total plantation (Nos.)	---	---	---	1,00,000	---	---	---	---	---	---	---	---	50	200	100	13455	45215	---
Survival (Nos.)				70,000									35	140	70	9418	31650	
Survival (%)				70%.									70%	70%	70%	70%	70%	

Particulars	19 <sup>th</sup> Year 10- 11	20 <sup>th</sup> Year 11- 12	21 <sup>th</sup> Year 12- 13	22 <sup>th</sup> Year 13- 14	23 <sup>th</sup> Year 14- 15	24 <sup>th</sup> Year 15- 16	25 <sup>th</sup> Year 16- 17	26 <sup>th</sup> Year 17- 18	27 <sup>th</sup> Year 18- 19	28 <sup>th</sup> Year 19- 20	29 <sup>th</sup> Year 20- 21	30 <sup>th</sup> Year 21- 22	31 <sup>st</sup> Year 22- 23					
Total plantation (Nos.)	3500	---	150	---	---	---	---	---	2037	---	---	---	899					
Survival (Nos.)	2450		105						1427				630					
Survival (%)	70%		70%						70%				70%					

\*Note: - 62 Nos. of trees were cut in April 2022 under permission from West Bengal Forest department for construction of school building.

09. Agency carrying out plantation and Maintenance

: M/s Liebig's Agro Chem. Pvt. Ltd.,  
3A, Dharmadas Row, Kol-700027.

10. Financial details (year wise) plantation wise and item wise :- ( The above agency is carrying out Horticulture, afforestation, and allied activities. The expenses include Horticulture, afforestation, and maintenance of landscaping and other related activities in the Plant & Township area)


Sl. No.	Year	Funds allocated	Expenditure made	Average cost of each surviving plant in Rs.
01.	92-93	3,17,335.00	3,17,335.00	Total Cost /
02.	93-94	8,49,610.00	8,49,610.00	Total Survived
03.	94-95	8,43,687.00	8,43,687.00	Plants: Rs.
04.	95-96	12,16,209.00	12,16,209.00	<b>14,39,86,832.00</b>
05.	96-97	6,11,599.00	6,11,599.00	/ 1,15,518 Plants
06.	97-98	5,78,704.00	5,78,704.00	(approx.) = Rs.
07.	98-99	13,38,817.00	13,38,817.00	<b>1,246.44/- per</b>
08.	99-2000	5,38,380.00	5,38,380.00	<b>plant.</b>
09.	2000-2001	60,687.00	60,687.00	
10.	2001-2002	1,59,390.00	1,59,390.00	
11.	2002-2003	1,89,653.00	1,89,653.00	
12.	2003-2004	10,89,000.00	10,89,000.00	
13.	2004-2005	14,21,760.00	14,21,760.00	
14.	2005-2006	15,45,520.00	15,45,520.00	
15.	2006-2007	20,10,162.00	20,10,162.00	
16.	2007-2008	40,00,000.00	27,98,165.00	
17.	2008-2009	40,00,000.00	38,96,794.00	
18.	2009-2010	40,00,000.00	27,34,290.00	
19.	2010-2011	50,00,000.00	33,84,739.00	
20.	2011-2012	75,00,000.00	45,70,587.00	
21.	2012-2013	70,00,000.00	36,32,929.00	
22.	2013-2014	51,98,711.00	49,36,378.00	
23.	2014-2015	58,36,541.00	60,23,016.00	
24.	2015-2016	75,00,000.00	66,89,723.00	
25.	2016-2017	87,78,581.00	1,01,68,706.00	
27.	2017-2018	1,20,44,893.00	1,18,44,169.00	
27.	2018-2019	1,40,00,000.00	1,30,96,390.00	
28.	2019-2020	1,80,00,000.00	1,33,84,601.00	
29.	2020-2021	1,76,00,000.00	1,30,65,725.00	
30.	2021-2022	1,80,00,000.00	1,42,85,972.00	
31.	2022-2023	1,80,00,000.00	1,67,04,135.00	

**Total = Rs.14,39,86,832.00**

11. Inspection of Plantation by field experts: Nil.  
and their comments and follow up action.

12. Remarks/any other information: Nil

Date: 01/06/2023

  
**Signature of Office-in-Charge**  
**(Chief General Manager)**

सिवकुमार पवनि / Sivakumar Pavani  
मुख्य प्रशासक / Chief General Manager  
भारतीय रिज़र्व बैंक नोट मुद्रण (प्रा.) लि.  
BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.  
साबनी, मेदिनीपुर (मेदिनीपुर) / Saiboni, Medinipur (W)  
पश्चिम बंगाल / (W.B.) - 721132



**MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE**

**EASTERN REGIONAL OFFICE**

**A/3, CHANDRASEKHARPUR, BHUBANESWAR – 751023**

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**FORMAT FOR PROVIDING PARTICULARS ON GREEN BELT/PLANTATION  
UNDER F(C) ACT 1980 AND E(P) ACT 1986.**

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01. a) Name of the Organisation : Bharatiya Reserve Bank Note Mudran  
(P) Limited (wholly owned by R.B.I.)  
b) Env't./forest clearance Order Nos. : J-11011/20/88-1A dated 25.05.1988.
02. Location, Block/Sub.Divn./Dist./State : Dist. – Paschim Medinipur (W.B.)
03. Address for Communication : Chief General Manager, BRBNMPL  
Salboni, P.O. – R.B.N.M.L.,  
Pin – 721 132.
04. Existing Vegetation in the area/region :-  
a) Species ( trees/shrubs/grasses/  
climbers ). : Some areas were covered by bushes,  
Thorn.  
b) Major prevalent species of  
each type. : Azarbector, Alari, Thorn, Sal.
05. Land coverage by the Project :-  
a) Total area under the Project : 579.44 Acres  
b) Area covered for basic infrastructure : 380 acres (approx.)  
(Roads/ Buildings / Factory etc.)
06. Details about natural Vegetation :-  
a) Name and number of tree/  
Tree/species felled. : Nil.  
b) Name and number of Plant species : Generally Nil/periodically cleaned.  
still available in the area.  
c) By protecting the area will : Yes.  
indigenous stock come up.  
d) Extent of green belt developed : Green Belt – 124.63 Hectares. (approx.)
07. Plantations required to be carried out as per :-  
a) Conditions of Environmental : Already done.  
clearance in ha./nos.  
b) Conditions of Forest (C) Act. : Not applicable.  
Clearance in ha./nos.  
c) Voluntary in ha./nos. : Already done.

**Contd. .... P/2**

08. Details about Plantation :-

a) Total area available for plantation in each category:-

i) Green Belt	ii) Dumps	iii) Back filled areas	iv) Road areas	v) Block Plantations
3.5 ha.	---	---	4.8 ha.	116.33 ha.

b) Plantation details ( Category wise & methodology used):-

Year of Plantation	Species Planted	Spacing	Height attained	Total area covered	Area still available
1992-1993	Acasia/ Mahgium/Gammer	2.5mX2.5m	11.30 M	6.00 ha.	Nil.
1993-1994	Sissoo/Mahua	-do-	11.30 M	11.40 ha.	
1994-1995	Peasal/Chatim	-do-	09.30 M	18.84 ha	
1995-1996	Sirish/Simul	-do-	11.30 M	17.30 ha	
1996-1997	Teak	-do-	8.30 M	2.50 ha	
1997-1998	Mahogany	-do-	8.30 M	0.30 ha	
2001-2002	Fruit Orchard	-do-	5.30 M	0.37 ha	
2001-2002	Silver Oak	-do-	7.30 M	0.27 ha	
2003-2004	Fruit Orchard	-do-	5.30 M	0.40 ha	
2004-2005	Mango	3.0mX3.0m	3.30 M	0.10 ha	
2005-2006	Neem	3.0mX3.0m	5.30 M	0.20 ha	
2006-2007	Banyan, Peepal	3.0mX3.0m	5.30 M	0.10 ha	
2007-2008	Acasia, Eucalyptus, Karamcha, Teak, Casuarinas, Mango, Guava, Amla, Jamun, Jackfruit, Cashewnut, Tamarint.	2.5mX2.5m	5.30 M	29.00 ha	
2008-2009	Eucalyptus & Casuarina	2.0mX2.0m	5.30 M	18.19 ha.	
2010-2011	Mahogany, Bakul, Neem, Sapthodia, Royal Palm	5.0mX5.0m	4.30 M	10.00 ha	
2012-2013	Mango & Neem	3.0mX3.0m	2.30 M	0.02 ha	
2018-2019	Bakul, Neem, Akashmuni, Ficus	5.0mX5.0m	0.75	0.7 ha	
2022-2023	Terminalia	6mX6m	1.0M	0.41 ha	
	Mantaly, Neem Tree, Cashew Nut, Red Sandal Wood, Ashoka Tree, Mahogany, bakul Tree	2.0mX2.0m	0.6M	0.09 ha	
	Mahogany, Neem, Tecoma , Jarul, Mango ,	2.0mX2.0m	0.25M	0.068 ha	
			0.25M	0.0216 ha	





# INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	:	Report No: ICI/HL/A/PTC-142/2023	Format No: ICI/FM/H/58
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/PA-142
Address	:	P.O. - R.B.N.M.L., Salboni, Paschim Medinipur, PIN - 721 132	Sampling Date : 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Sampling Time : 09:45 AM Analysis Start Date : 18.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022- 23, Dtd. 24.05.2022	Analysis complete Date : 20.03.2023
#Sample Description	:	STACK AIR	
#Location	:	D.G. SET NO. - 1 (2500 KVA)	
Sample Condition	:	In Glass Microfiber Thimble & Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III)	

### A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant	:	D.G. SET NO. - 1 (2500 KVA)	Shape of Stack	:	Circular
Stack attached to	:	Combustion of H.S.D.	Material of Construction	:	M.S
Emission due to	:	H.S.D.	Stack ID at sampling point (M)	:	0.90
Fuel Used	:	-	At Bottom (M)	:	-
Rated Fuel Consumption	:	-	At Top (M)	:	-
Working Fuel Consumption	:	260 Lit/Hr.	Height Details :		
Calorific Value(Kcal/kg)	:	-	a) Total Ht. Of stack from GL(M)	:	35.80
Sulphur Content (% by Wt)	:	-	b) Total Ht. Of stack from RL(M)	:	-
Ash Content (% by Wt.)	:	-	c) Ht. of sampling port from GL(M)	:	33.20
Pollution Control Device	:	Nil	d) Ht. of port from disturbance zone (M)	:	-
Whether Stack is provided with permanent Platform / Ladder	:	Yes			

### B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	:	228	Steam Generation Capacity:		
Barometric Pressure,(mm Hg)	:	756	a) Rated	:	-
Velocity of Gas flow (m/s)	:	15.53	b) Running	:	-
Quantity of Gas flow (Nm³/hr)	:	20581.29	Load :	a) Rated	2500 KVA
Pressure	:	-	b) Running	:	-

### C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	66.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	Particulate Matter Emission Rate (Kg/ Hr)	1.3584	
04.	Sulphur di-oxide (mg/ Nm³)	290.67	IS 11255 (Part -2): 1985(RA 2019)
05.	Oxides of Nitrogen (as NOx) -(mg/m³)	315.96	IS 11255 (Part -7): 2005(RA 2017)
06.	Carbon mono oxide (as CO)- % (V/V)	<0.2	IS 13270:1992 (RA 2019)
07.	Carbon di oxide (as CO₂)-% (V/V)	8.6	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Parra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
- Test results shown in this test report relate only to the sample (s) only.
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- The reproduction of the report except in full is invalid without written approval of the laboratory.
- Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-86 from the date of issue unless otherwise specified.
- Location of Testing : Haldia Laboratory

-----End of Report-----

Page 1 of 1





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	:	Report No: ICI/HL/A/PTC-141/2023	Format No: ICI/FM/H/58
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/PA-141
Address	:	P.O. - R.B.N.M.L., Salboni, Paschim Medinipur, PIN - 721 132	Sampling Date : 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Sampling Time : 09:00 AM Analysis Start Date : 18.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.06/TE-010(2020-21)/2022- 23, Dtd. 24.05.2022	Analysis complete Date : 20.03.2023
#Sample Description	:	STACK AIR	
#Location	:	D.G. SET NO. - 2 (2500 KVA)	
Sample Condition	:	In Glass Microfiber Thimble & Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III)	

### A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant	:	D.G. SET NO. - 2 (2500 KVA)	Shape of Stack	:	Circular
Stack attached to	:	Combustion of H.S.D	Material of Construction	:	M.S
Emission due to	:	H.S.D	Stack ID at sampling point (M)	:	0.90
Fuel Used	:	-	At Bottom (M)	:	-
Rated Fuel Consumption	:	-	At Top (M)	:	-
Working Fuel Consumption	:	260 Lit/Hr.	Height Details:		
Calorific Value(Kcal/kg)	:	-	a) Total Ht. Of stack from GL(M)	:	35.80
Sulphur Content (% by Wt)	:	-	b) Total Ht. Of stack from RL(M)	:	-
Ash Content (% by Wt.)	:	-	c) Ht. of sampling port from GL(M)	:	33.20
Pollution Control Device	:	Nil	d) Ht. of port from disturbance zone (M)	:	-
Whether Stack is provided with permanent Platform / Ladder: Yes					

### B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	:	241	Steam Generation Capacity:		
Barometric Pressure. (mm Hg)	:	756	a) Rated	:	-
Velocity of Gas flow (m/s)	:	15.47	b) Running	:	-
Quantity of Gas flow (Nm³/hr)	:	20453.68	Load: a) Rated	:	2500 KVA
Pressure	:	-	b) Running	:	-

### C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	57.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	Particulate Matter Emission Rate (Kg/ Hr)	1.1659	
04.	Sulphur di-oxide (mg/ Nm³)	251.92	IS 11255 (Part -2): 1985(RA 2019)
05.	Oxides of Nitrogen (as NOx) -(mg/m³)	282.41	IS 11255 (Part -7): 2005(RA 2017)
06.	Carbon mono oxide (as CO)- % (V/V)	<0.2	IS 13270:1992 (RA 2019)
07.	Carbon di oxide (as CO₂)-%(V/V)	8.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
- Test results shown in this test report relate only to the sample (s) only.
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- The reproduction of the report except in full is invalid without written approval of the laboratory.
- Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-2 from the date of issue unless otherwise specified.
- Location of Testing : Haldia Laboratory

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

-----End of Report-----

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	:	Report No: ICI/HL/A/PTC-143/2023	Format No: ICI/FM/H/58
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/PA-143
Address	:	P.O. - R.B.N.M.L., Salboni, Paschim Medinipur, PIN - 721 132	Sampling Date : 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Sampling Time : 11:30 AM Analysis Start Date : 18.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22. Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022- 23, Dtd. 24.05.2022	Analysis complete Date : 20.03.2023
#Sample Description	:	STACK AIR	
#Location	:	D.G. SET NO. - 3 (2500 KVA)	
Sample Condition	:	In Glass Microfiber Thimble & Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III)	

### A.] # GENERAL INFORMATION ABOUT STACK:

<b>Particulars of the Plant</b>		Shape of Stack	:	Circular
Stack attached to	: D.G. SET NO. - 3 (2500 KVA)	Material of Construction	:	M.S
Emission due to	: Combustion of H.S.D.	Stack ID at sampling point (M)	:	0.90
Fuel Used	: H.S.D.	At Bottom (M)	:	-
Rated Fuel Consumption	: -	At Top (M)	:	-
Working Fuel Consumption	: 260 Lit/Hr.	<b>Height Details:</b>		
Calorific Value(Kcal/kg)	: -	a) Total Ht. Of stack from GL(M)	:	35.80
Sulphur Content (% by Wt)	: -	b) Total Ht. Of stack from RL(M)	:	-
Ash Content (% by Wt.)	: -	c) Ht. of sampling port from GL(M)	:	33.30
Pollution Control Device	: Nil	d) Ht. of port from disturbance zone (M)	:	-
Whether Stack is provided with permanent Platform / Ladder: <b>Yes</b>				

### B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	:	237	<b>Steam Generation Capacity:</b>		
Barometric Pressure.(mm Hg)	:	756	a) Rated	:	-
Velocity of Gas flow (m/s)	:	14.86	b) Running	:	-
Quantity of Gas flow (Nm³/hr)	:	19801.26	<b>Load:</b> a) Rated	:	2500 KVA
Pressure	:	-	b) Running	:	-

### C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	63.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	Particulate Matter Emission Rate (Kg/ Hr)	1.2475	
04.	Sulphur di-oxide (mg/ Nm³)	310.05	IS 11255 (Part -2): 1985(RA 2019)
05.	Oxides of Nitrogen (as NOx) -(mg/m³)	327.10	IS 11255 (Part -7): 2005(RA 2017)
06.	Carbon mono oxide (as CO)- % (V/V)	<0.2	IS 13270:1992 (RA 2019)
07.	Carbon di oxide (as CO₂)-% (V/V)	8.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

- Note:
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India.
  - Sample submitted and identified by customer as: NA
  - Test results shown in this test report relate only to the sample (s) only.
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - The reproduction of the report except in full is invalid without written approval of the laboratory.
  - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-87 from the date of issue unless otherwise specified.
  - Location of Testing : Haldia Laboratory

-----End of Report-----





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	: Report No: ICI/HL/A/PTC-144/2023	Format No: ICI/FM/H/58
Customer Name	: M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/PA-144
Address	: P.O. - R.B.N.M.L., Salboni, Paschim Medinipur, PIN - 721 132	Sampling Date : 15.03.2023
#Customer Representative Name & Contact Number	: Mr. Santosh C Kumar Mob. No. +91-8762530795	Sampling Time : 01:10 PM Analysis Start Date : 18.03.2023
#Work Order No.	: 002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.06/TE-010(2020-21)/2022- 23, Dtd. 24.05.2022	Analysis complete Date : 20.03.2023
#Sample Description	: STACK AIR	
#Location	: D.G. SET NO. - 04 (315 KVA)	
Sample Condition	: In Glass Microfiber Thimble & Plastic Bottle	
Sampling Method	: CPCB, Emission Regulation (Part III)	

### A.] # GENERAL INFORMATION ABOUT STACK:

<b>Particulars of the Plant</b>		Shape of Stack	: Circular
Stack attached to	: D.G. SET NO. - 04 (315 KVA)	Material of Construction	: M.S
Emission due to	: Combustion of H.S.D.	Stack ID at sampling point (M)	: 0.3840
Fuel Used	: H.S.D.	At Bottom (M)	: -
Rated Fuel Consumption	: -	At Top (M)	: -
Working Fuel Consumption	: 80 Lit/Hr.	<b>Height Details:</b>	
Calorific Value(Kcal/kg)	: -	a) Total Ht. Of stack from GL(M)	: 15.80
Sulphur Content (% by Wt)	: -	b) Total Ht. Of stack from RL(M)	: -
Ash Content (% by Wt.)	: -	c) Ht. of sampling port from GL(M)	: 7.50
Pollution Control Device	: Nil	d) Ht. of port from disturbance zone (M)	: -
Whether Stack is provided with permanent Platform / Ladder : Yes			

### B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 161	<b>Steam Generation Capacity:</b>	
Barometric Pressure, (mm Hg)	: 756	a) Rated	: -
Velocity of Gas flow (m/s)	: 12.31	b) Running	: -
Quantity of Gas flow (Nm <sup>3</sup> /hr)	: 3460.61	<b>Load:</b> a) Rated	: 315 KVA
Pressure	: -	b) Running	: -

### C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm <sup>3</sup> )	: 55.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO <sub>2</sub> (V/V) - (mg/Nm <sup>3</sup> )	: -	
03.	Particulate Matter Emission Rate (Kg/ Hr)	: 0.1903	
04.	Sulphur di-oxide (mg/ Nm <sup>3</sup> )	: 203.47	IS 11255 (Part -2): 1985(RA 2019)
05.	Oxides of Nitrogen (as NO <sub>x</sub> ) -(mg/m <sup>3</sup> )	: 197.18	IS 11255 (Part -7): 2005(RA 2017)
06.	Carbon mono oxide (as CO)- % (V/V)	: <0.2	IS 13270:1992 (RA 2019)
07.	Carbon di oxide (as CO <sub>2</sub> )-% (V/V)	: 6.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

- Note:
- 1 # Information provided by customer
  - 2 Sample is drawn by M/s. Indicative Consultant India.
  - 3 Sample submitted and identified by customer as: NA
  - 4 Test results shown in this test report relate only to the sample (s) only.
  - 5 The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - 6 The reproduction of the report except in full is invalid without written approval of the laboratory.
  - 7 Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - 8 Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-88 from the date of issue unless otherwise specified.
  - 9 Location of Testing : Haldia Laboratory

-----End of Report-----

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# INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	:	Report No: ICI/HL/A/RN-239/2023	Format No: ICI/FM/H/62
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/AC-239
Address	:	P.O. – R.B.N.M.L., Salboni, Paschim Medinipur, PIN – 721 132	Sampling Date : 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Analysis Start Date : 18.03.2023 Analysis complete Date : 20.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	:	FUGITIVE AIR	
#Location	:	PACKING SECTION	
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III)	
# Material/ Test Specification	:	Factories (Amendment) Act 1987, Sec. 45 (2 <sup>nd</sup> Schedule)	

Sl. No.	Parameters	Unit	SAMPLING TIME	Test Method
			09:20 AM to 05:20 PM RESULT	
1.	Suspended Particulate Matter (SPM)	(mg / m <sup>3</sup> )	0.201	IS 5182 (Part – 4):1999 (RA 2019)
2.	Respirable Particulate Matter (RPM/PM <sub>10</sub> )	(mg / m <sup>3</sup> )	0.089	IS 5182 (Part – 23):2006 (RA 2017)
3.	Respirable Particulate Matter (PM <sub>2.5</sub> )	(mg / m <sup>3</sup> )	0.039	IS 5182 (Part – 24):2019
4.	Ambient Temperature (Average)	°C	25.0	Hygrometer
Limit: (mg / m <sup>3</sup> ) : SPM – 10, RPM – 5, PM <sub>2.5</sub> – No Limit				
Ref : Factories (Amendment) Act 1987, Sec. 45 (2 <sup>nd</sup> Schedule)				

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui  
(Quality Manager)  
Signatory Authority  
**Parbati Golui**  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

- Note:
- 1 # Information provided by customer
  - 2 Sample is drawn by M/s. Indicative Consultant India.
  - 3 Sample submitted and identified by customer as: NA
  - 4 Test results shown in this test report relate only to the sample (s) only.
  - 5 The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - 6 The reproduction of the report except in full is invalid without written approval of the laboratory.
  - 7 Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - 8 Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
  - 9 Location of Testing: Haldia Laboratory

-----End of Report-----

Page 1 of 1





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	:	Report No: ICI/HL/A/RN-237/2023	Format No: ICI/FM/H/62
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/AC-237
Address	:	P.O. – R.B.N.M.L., Salboni, Paschim Medinipur, PIN – 721 132	Sampling Date : 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Analysis Start Date : 18.03.2023 Analysis complete Date : 20.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	:	FUGITIVE AIR	
#Location	:	FINISHING SECTION - 2	
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III)	
# Material/ Test Specification	:	Factories (Amendment) Act 1987, Sec. 45 (2 <sup>nd</sup> Schedule)	

Sl. No.	Parameters	Unit	SAMPLING TIME	Test Method
			09:30 AM to 05:30 PM RESULT	
1.	Suspended Particulate Matter (SPM)	(mg / m <sup>3</sup> )	0.175	IS 5182 (Part – 4):1999 (RA 2019)
2.	Respirable Particulate Matter (RPM/PM <sub>10</sub> )	(mg / m <sup>3</sup> )	0.077	IS 5182 (Part – 23):2006 (RA 2017)
3.	Respirable Particulate Matter (PM <sub>2.5</sub> )	(mg / m <sup>3</sup> )	0.026	IS 5182 (Part – 24):2019
4.	Ambient Temperature (Average)	°C	26.0	Hygrometer

Limit: (mg / m<sup>3</sup>) : SPM – 10, RPM – 5, PM<sub>2.5</sub> – No Limit

Ref : Factories (Amendment) Act 1987, Sec. 45 (2<sup>nd</sup> Schedule)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui

(Quality Manager)

Signatory Authority

Parbati Golui

Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

- Note:
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India.
  - Sample submitted and identified by customer as: NA
  - Test results shown in this test report relate only to the sample (s) only.
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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  - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
  - Location of Testing: Haldia Laboratory

Page 1 of 1

-----End of Report-----





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	:	Report No: ICI/HL/A/RN-236/2023	Format No: ICI/FM/H/62
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/AC-236
Address	:	P.O. - R.B.N.M.L., Salboni, Paschim Medinipur, PIN - 721 132	Sampling Date : 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Analysis Start Date : 18.03.2023 Analysis complete Date : 20.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	:	FUGITIVE AIR	
#Location	:	OFFSET SECTION	
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle.	
Sampling Method	:	CPCB, Emission Regulation (Part III)	
# Material/ Test Specification	:	Factories (Amendment) Act 1987, Sec. 45 (2 <sup>nd</sup> Schedule)	

Sl. No.	Parameters	Unit	SAMPLING TIME	Test Method
			09:10 AM to 05:10 PM	
			RESULT	
1.	Suspended Particulate Matter (SPM)	(mg / m <sup>3</sup> )	0.171	IS 5182 (Part - 4):1999 (RA 2019)
2.	Respirable Particulate Matter (RPM/PM <sub>10</sub> )	(mg / m <sup>3</sup> )	0.068	IS 5182 (Part - 23):2006 (RA 2017)
3.	Respirable Particulate Matter (PM <sub>2.5</sub> )	(mg / m <sup>3</sup> )	0.026	IS 5182 (Part - 24):2019
4.	Ambient Temperature (Average)	°C	25.0	Hygrometer

Limit: (mg / m<sup>3</sup>) : SPM - 10, RPM - 5, PM<sub>2.5</sub> - No Limit

Ref : Factories (Amendment) Act 1987, Sec. 45 (2nd Schedule)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patta

Parbati Golui  
(Quality Manager)  
Signatory Authority

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note:
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India.
  - Sample submitted and identified by customer as: NA
  - Test results shown in this test report relate only to the sample (s) only.
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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  - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
  - Location of Testing: Haldia Laboratory

Page 1 of 1

-----End of Report-----

**CENTRAL LABORATORY :** HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

**KOLKATA LABORATORY :** B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	:	Report No: ICI/HL/A/RN-235/2023	Format No: ICI/FM/H/62
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/AC-235
Address	:	P.O. – R.B.N.M.L., Salboni, Paschim Medinipur, PIN – 721 132	Sampling Date : 14.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Analysis Start Date : 18.03.2023 Analysis complete Date : 20.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	:	FUGITIVE AIR	
#Location	:	ROLLING PREPARATION SECTION	
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III)	
# Material/ Test Specification	:	Factories (Amendment) Act 1987, Sec. 45 (2 <sup>nd</sup> Schedule)	

Sl. No.	Parameters	Unit	SAMPLING TIME	Test Method
			10:20 AM to 06:20 PM RESULT	
1.	Suspended Particulate Matter (SPM)	(mg / m <sup>3</sup> )	0.161	IS 5182 (Part – 4):1999 (RA 2019)
2.	Respirable Particulate Matter (RPM/PM <sub>10</sub> )	(mg / m <sup>3</sup> )	0.045	IS 5182 (Part – 23):2006 (RA 2017)
3.	Respirable Particulate Matter (PM <sub>2.5</sub> )	(mg / m <sup>3</sup> )	0.020	IS 5182 (Part – 24):2019
4.	Ambient Temperature (Average)	°C	25.0	Hygrometer

Limit: (mg / m<sup>3</sup>) : SPM – 10, RPM – 5, PM<sub>2.5</sub> – No Limit

Ref : Factories (Amendment) Act 1987, Sec. 45 (2<sup>nd</sup> Schedule)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui  
(Quality Manager)  
Signatory Authority

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note:
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India.
  - Sample submitted and identified by customer as: NA
  - Test results shown in this test report relate only to the sample (s) only.
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - The reproduction of the report except in full is invalid without written approval of the laboratory.
  - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
  - Location of Testing: Haldia Laboratory

-----End of Report-----

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# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	:	Report No: ICI/HL/A/RN-234/2023	Format No: ICI/FM/H/62
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/AC-234
Address	:	P.O. – R.B.N.M.L., Salboni, Paschim Medinipur, PIN – 721 132	Sampling Date : 14.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Analysis Start Date : 18.03.2023 Analysis complete Date : 20.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	:	FUGITIVE AIR	
#Location	:	ELECTRO FORMING SECTION	
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III)	
# Material/ Test Specification	:	Factories (Amendment) Act 1987, Sec. 45 (2 <sup>nd</sup> Schedule)	

Sl. No.	Parameters	Unit	SAMPLING TIME	Test Method
			10:00 AM to 06:00 PM RESULT	
1.	Suspended Particulate Matter (SPM)	(mg / m <sup>3</sup> )	0.162	IS 5182 (Part – 4):1999 (RA 2019)
2.	Respirable Particulate Matter (RPM/PM <sub>10</sub> )	(mg / m <sup>3</sup> )	0.052	IS 5182 (Part – 23):2006 (RA 2017)
3.	Respirable Particulate Matter (PM <sub>2.5</sub> )	(mg / m <sup>3</sup> )	0.022	IS 5182 (Part – 24):2019
4.	Ambient Temperature (Average)	°C	25.0	Hygrometer

Limit: (mg / m<sup>3</sup>) : SPM – 10, RPM – 5, PM<sub>2.5</sub> – No Limit

Ref : Factories (Amendment) Act 1987, Sec. 45 (2nd Schedule)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Para

Parbati Golui  
(Quality Manager)

Signatory Authority  
Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

- Note:
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India.
  - Sample submitted and identified by customer as: NA
  - Test results shown in this test report relate only to the sample (s) only.
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - The reproduction of the report except in full is invalid without written approval of the laboratory.
  - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
  - Location of Testing: Haldia Laboratory

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-----End of Report-----

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	:	Report No: ICI/HL/A/RN-233/2023	Format No: ICI/FM/H/62
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/AC-233
Address	:	P.O. – R.B.N.M.L., Salboni, Paschim Medinipur, PIN – 721 132	Sampling Date : 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Analysis Start Date : 18.03.2023 Analysis complete Date : 20.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	:	FUGITIVE AIR	
#Location	:	WSTP SECTION	
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III)	
# Material/ Test Specification	:	Factories (Amendment) Act 1987, Sec. 45 (2 <sup>nd</sup> Schedule)	

Sl. No.	Parameters	Unit	SAMPLING TIME	Test Method
			09:00 AM to 05:00 PM RESULT	
1.	Suspended Particulate Matter (SPM)	(mg /m <sup>3</sup> )	0.190	IS 5182 (Part – 4):1999 (RA 2019)
2.	Respirable Particulate Matter (RPM/PM <sub>10</sub> )	(mg /m <sup>3</sup> )	0.069	IS 5182 (Part – 23):2006 (RA 2017)
3.	Respirable Particulate Matter (PM <sub>2.5</sub> )	(mg /m <sup>3</sup> )	0.031	IS 5182 (Part – 24):2019
4.	Ambient Temperature (Average)	°C	31.0	Hygrometer
Limit: (mg / m <sup>3</sup> ) : SPM – 10, RPM – 5, PM <sub>2.5</sub> – No Limit				
Ref : Factories (Amendment) Act 1987, Sec. 45 (2 <sup>nd</sup> Schedule)				

For, INDICATIVE CONSULTANT INDIA

Prepared By: A. Mondal

Checked By: A. Patra

Parbat Golui  
(Quality Manager)  
Signatory Authority

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note:
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India.
  - Sample submitted and identified by customer as: NA
  - Test results shown in this test report relate only to the sample (s) only.
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - The reproduction of the report except in full is invalid without written approval of the laboratory.
  - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
  - Location of Testing: Haldia Laboratory

-----End of Report-----

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**CENTRAL LABORATORY :** HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

**KOLKATA LABORATORY :** B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	:	Report No: ICI/HL/A/RN-238/2023	Format No: ICI/FM/H/62
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/AC-238
Address	:	P.O. – R.B.N.M.L., Salboni, Paschim Medinipur, PIN – 721 132	Sampling Date : 14.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Analysis Start Date : 18.03.2023 Analysis complete Date : 20.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	:	FUGITIVE AIR	
#Location	:	INTAGLIO SECTION	
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III)	
# Material/ Test Specification	:	Factories (Amendment) Act 1987, Sec. 45 (2 <sup>nd</sup> Schedule)	

Sl. No.	Parameters	Unit	SAMPLING TIME	Test Method
			10:30 AM to 06:30 PM RESULT	
1.	Suspended Particulate Matter (SPM)	(mg/m <sup>3</sup> )	0.185	IS 5182 (Part – 4):1999 (RA 2019)
2.	Respirable Particulate Matter (RPM/PM <sub>10</sub> )	(mg/m <sup>3</sup> )	0.074	IS 5182 (Part – 23):2006 (RA 2017)
3.	Respirable Particulate Matter (PM <sub>2.5</sub> )	(mg/m <sup>3</sup> )	0.027	IS 5182 (Part – 24):2019
4.	Ambient Temperature (Average)	°C	24.0	Hygrometer
Limit: (mg/m <sup>3</sup> ) : SPM – 10, RPM – 5, PM <sub>2.5</sub> – No Limit				
Ref : Factories (Amendment) Act 1987, Sec. 45 (2 <sup>nd</sup> Schedule)				

Prepared By: N. Mondal

Checked By: A. Para

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)

Signatory Authority

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

- Note:
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India.
  - Sample submitted and identified by customer as: NA
  - Test results shown in this test report relate only to the sample (s) only.
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - The reproduction of the report except in full is invalid without written approval of the laboratory.
  - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
  - Location of Testing: Haldia Laboratory

-----End of Report-----

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	:	Report No: ICI/HL/A/RN-240/2023	Format No: ICI/FM/H/62
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/AC-240
Address	:	P.O. – R.B.N.M.L., Salboni, Paschim Medinipur, PIN – 721 132	Sampling Date : 14.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Analysis Start Date : 18.03.2023 Analysis complete Date : 20.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	:	FUGITIVE AIR	
#Location	:	NUMBERING SECTION	
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III)	
# Material/ Test Specification	:	Factories (Amendment) Act 1987, Sec. 45 (2 <sup>nd</sup> Schedule)	

Sl. No.	Parameters	Unit	SAMPLING TIME	Test Method
			10:10 AM to 06:10 PM RESULT	
1.	Suspended Particulate Matter (SPM)	(mg / m <sup>3</sup> )	0.191	IS 5182 (Part – 4):1999 (RA 2019)
2.	Respirable Particulate Matter (RPM/PM <sub>10</sub> )	(mg / m <sup>3</sup> )	0.082	IS 5182 (Part – 23):2006 (RA 2017)
3.	Respirable Particulate Matter (PM <sub>2.5</sub> )	(mg / m <sup>3</sup> )	0.032	IS 5182 (Part – 24):2019
4.	Ambient Temperature (Average)	°C	26.0	Hygrometer
Limit: (mg / m <sup>3</sup> ) : SPM – 10, RPM – 5, PM <sub>2.5</sub> – No Limit				
Ref : Factories (Amendment) Act 1987, Sec. 45 (2nd Schedule)				

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA  
Parbati Golui  
(Quality Manager)  
Signatory Authority  
Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note:
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India.
  - Sample submitted and identified by customer as: NA
  - Test results shown in this test report relate only to the sample (s) only.
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - The reproduction of the report except in full is invalid without written approval of the laboratory.
  - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
  - Location of Testing: Haldia Laboratory

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-----End of Report-----

**CENTRAL LABORATORY :** HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

**KOLKATA LABORATORY :** B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 24.03.2023	:	Report No: ICI/HL/A/RN-230/2023	Format No: ICI/FM/H/61
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/AC-230
Address	:	P.O. - R.B.N.M.L., Salboni, Paschim Medinipur, PIN - 721 132	Sampling Date : 14.03.2023 to 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Analysis Start Date : 20.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	Analysis complete Date : 23.03.2023
#Sample Description	:	AMBIENT AIR	
#Location	:	NEAR BANDHU BHAWAN	
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle. Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 <sup>rd</sup> Edition, CPCB Guideline (Vol. - 1)	
Test Specification	:	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18 <sup>th</sup> November '2009	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			09:30 AM to 05:30 PM	05:45 PM to 01:45 AM	02:00 AM to 10:00 AM		
1.	Respirable Particulate Matter (PM <sub>10</sub> )	µg / m <sup>3</sup>	68.61	76.33	65.29	70.08	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM <sub>2.5</sub> )	µg / m <sup>3</sup>	21.97	28.76	20.73	23.82	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg / m <sup>3</sup>	12.42	14.48	11.38	12.76	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg / m <sup>3</sup>	21.91	24.65	19.17	21.91	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH <sub>3</sub> )	µg / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 <sup>rd</sup> Edition, 1988 Method No. 408
8.	Ozone (O <sub>3</sub> )	µg / m <sup>3</sup>	40.2	-	-	40.2	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m <sup>3</sup>	0.2712	0.3241	0.3479	0.3144	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	31.0	27.0	27.0	28.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m<sup>3</sup>) Ambient Air Quality standard (National)

PM<sub>10</sub>= 100 µg/m<sup>3</sup>, PM<sub>2.5</sub>=60 µg/m<sup>3</sup>, SO<sub>2</sub>=80 µg/m<sup>3</sup>, NO<sub>2</sub>=80 µg/m<sup>3</sup>, Lead=1.0 µg/m<sup>3</sup>, Ammonia=400 µg/m<sup>3</sup>, 24 hours basis, Carbon mono oxide=2 mg/m<sup>3</sup>, O<sub>3</sub>=100 µg/m<sup>3</sup>, 8 hours basis, Benzene=5 µg/m<sup>3</sup>, Benzopyrene=1 ng/m<sup>3</sup>, Arsenic=6 ng/m<sup>3</sup>, Nickel=20ng/m<sup>3</sup>, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November '2009

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)

Signatory Authority

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

- Note:
1. Information provided by customer
  2. Sample is drawn by M/s. Indicative Consultant India.
  3. Sample submitted and identified by customer as: NA
  4. Test results shown in this test report relate only to the sample (s) only.
  5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  6. The reproduction of the report except in full is invalid without written approval of the laboratory.
  7. Once issued, the test report certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  8. Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
  9. Location of Testing : Haldia Laboratory

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-----End of Report-----





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 24.03.2023	:	Report No: ICI/HL/A/RN-231/2023	Format No: ICI/FM/H/61
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/AC-231
Address	:	P.O. - R.B.N.M.L., Salboni, Paschim Medinipur, PIN - 721 132	Sampling Date : 14.03.2023 to 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Analysis Start Date : 20.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	Analysis complete Date : 23.03.2023
#Sample Description	:	AMBIENT AIR	
#Location	:	BACK SIDE OF ADM BUILDING	
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 <sup>rd</sup> Edition, CPCB Guideline (Vol. - 1)	
Test Specification	:	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18 <sup>th</sup> November '2009	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			09:45 AM to 05:45 PM	06:00 PM to 02:00 AM	02:30 AM to 10:30 AM		
1.	Respirable Particulate Matter (PM <sub>10</sub> )	µg / m <sup>3</sup>	74.30	78.50	70.14	74.31	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM <sub>2.5</sub> )	µg / m <sup>3</sup>	26.22	29.70	24.30	26.74	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg / m <sup>3</sup>	12.42	15.51	10.35	12.76	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg / m <sup>3</sup>	23.74	26.47	21.00	23.74	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH <sub>3</sub> )	µg / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 <sup>rd</sup> Edition, 1988 Method No. 408
8.	Ozone (O <sub>3</sub> )	µg / m <sup>3</sup>	40.7	-	-	40.7	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m <sup>3</sup>	0.2661	0.3092	0.3455	0.3069	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	31.0	28.0	27.0	29.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m<sup>3</sup>) Ambient Air Quality standard (National)

PM<sub>10</sub>= 100 µg/m<sup>3</sup>, PM<sub>2.5</sub>=60 µg/m<sup>3</sup>, SO<sub>2</sub>=80 µg/m<sup>3</sup>, NO<sub>2</sub>=80 µg/m<sup>3</sup>, Lead=1.0 µg/m<sup>3</sup>, Ammonia=400 µg/m<sup>3</sup>, 24 hours basis, Carbon mono oxide=2 mg/m<sup>3</sup>, O<sub>3</sub>=100µg/m<sup>3</sup> 8hours basis, Benzene=5 µg/m<sup>3</sup>, Benzopyrene=1 ng/m<sup>3</sup>, Arsenic =6 ng/m<sup>3</sup>, Nickel=20ng/m<sup>3</sup>, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November '2009

Prepared By: K. Choudhary

Checked By: A. Putra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note:

- Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
- Test results shown in this test report relate only to the sample (s) only.
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- Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
- Location of Testing: Haldia Laboratory

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-----End of Report-----

**CENTRAL LABORATORY :** HPL Link Road, Basudevapur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 24.03.2023	:	Report No: ICI/HL/A/RN-232/2023	Format No: ICI/FM/H/61
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/AC-232
Address	:	P.O. - R.B.N.M.L., Salboni, Paschim Medinipur, PIN - 721 132	Sampling Date : 15.03.2023 to 16.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Analysis Start Date : 20.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	Analysis complete Date : 23.03.2023
#Sample Description	:	AMBIENT AIR	
#Location	:	NEAR TOWNSHIP SUB-STATION	
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 <sup>rd</sup> Edition, CPCB Guideline (Vol. - 1)	
Test Specification	:	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi, Notification dated 18 <sup>th</sup> November '2009	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			09:30 AM to 05:30 PM	05:45 PM to 01:45 AM	02:00 AM to 10:00 AM		
1.	Respirable Particulate Matter (PM <sub>10</sub> )	µg / m <sup>3</sup>	71.30	78.60	66.52	72.14	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM <sub>2.5</sub> )	µg / m <sup>3</sup>	27.43	29.96	24.51	27.30	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg / m <sup>3</sup>	11.38	13.45	10.35	11.73	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg / m <sup>3</sup>	19.17	22.82	17.35	19.78	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH <sub>3</sub> )	µg / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 <sup>rd</sup> Edition, 1988 Method No. 408
8.	Ozone (O <sub>3</sub> )	µg / m <sup>3</sup>	40.8	-	-	40.8	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m <sup>3</sup>	0.2617	0.3142	0.3584	0.3114	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m <sup>3</sup>	BLQ	BLQ	BLQ	BLQ	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	32.0	28.0	28.0	29.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m<sup>3</sup>) Ambient Air Quality standard (National)

PM<sub>10</sub>= 100 µg/m<sup>3</sup>, PM<sub>2.5</sub>=60 µg/m<sup>3</sup>, SO<sub>2</sub>=80 µg/m<sup>3</sup>, NO<sub>2</sub>=80 µg/m<sup>3</sup>, Lead=1.0 µg/m<sup>3</sup>, Ammonia=400 µg/m<sup>3</sup>, 24 hours basis, Carbon mono oxide=2 mg/m<sup>3</sup>, O<sub>3</sub>=100 µg/m<sup>3</sup> 8 hours basis, Benzene=5 µg/m<sup>3</sup>, Benzopyrene=1 ng/m<sup>3</sup>, Arsenic =6 ng/m<sup>3</sup>, Nickel=20ng/m<sup>3</sup>, Annual basis, For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November '2009

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note:

- Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
- Test results shown in this test report relate only to the sample (s) only.
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- The reproduction of the report except in full is invalid without written approval of the laboratory.
- Once issued, the test report certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
- Location of Testing : Haldia Laboratory

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-----End of Report-----

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973





# INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 21.03.2023	: Report No: ICI/HL/N/TC-049/2023	Format No: ICI/FM/H/68
Customer Name	: M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	
Address	: P.O. – R.B.N.M.L., Salboni, Paschim Medinipur, PIN – 721 132	
#Customer Representative Name & Contact No.	: Mr. Santosh C Kumar Mob. No. +91-8762530795	
#Work Order No.	: 002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	: AMBIENT NOISE	
Sampling Method	: By Digital Noise Meter	
Test Method	: IS 9989:1981 (RA 2020)	
Monitoring Details:		
Height from the floor	: 1.5 M	Total Time (T) : 18 Min
Distance of Source	: 3.0 M	Difference (dt) : 2 Min

#Noise Source/ Location: NEAR MAIN GATE						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L <sub>eq</sub> ) dB(A)	Maximum Noise (L <sub>max</sub> ) dB(A)	Minimum Noise (L <sub>min</sub> ) dB(A)	Limit* dB(A)
2023/N-231	15.03.2023	09:00 AM	55.64	57.3	53.8	As per note

#Noise Source/ Location: NEAR ADM BUILDING						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L <sub>eq</sub> ) dB(A)	Maximum Noise (L <sub>max</sub> ) dB(A)	Minimum Noise (L <sub>min</sub> ) dB(A)	Limit* dB(A)
2023/N-232	15.03.2023	10:30 AM	58.61	59.8	57.3	As per note

#Noise Source/ Location: NEAR MAIN GATE						NIGHT TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L <sub>eq</sub> ) dB(A)	Maximum Noise (L <sub>max</sub> ) dB(A)	Minimum Noise (L <sub>min</sub> ) dB(A)	Limit* dB(A)
2023/N-233	15.03.2023	10:05 PM	52.55	54.2	50.6	As per note

#Noise Source/ Location: NEAR ADM BUILDING						NIGHT TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L <sub>eq</sub> ) dB(A)	Maximum Noise (L <sub>max</sub> ) dB(A)	Minimum Noise (L <sub>min</sub> ) dB(A)	Limit* dB(A)
2023/N-234	15.03.2023	10:45 PM	54.48	56.2	51.9	As per note

\*Note:

### NOISE STANDARD

Area Code	Category of Area/ Zone	Limits dB (A) Leq	
		Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Source: The Noise Pollution (Regulation & Control) Rules, 2000

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Sampling was done in front of customer's representative

Estimated Uncertainty: Not Required

Note :1. # Information provided by customer

- Sample is drawn by M/s. Indicative Consultant India
- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- Noise data was recorded at the customer site in presence of customer's representative.
- Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- The reproduction of the report except in full is invalid without written approval of the laboratory
- Location of Testing: Plant Site & Report was generated from Haldia Laboratory

Page 1 of 1

-----End of Report-----





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 28.03.2023	:	Report No: ICI/HL/W/RN-541/2023	Format No: ICI/FM/H/67
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/W-541
Address	:	P.O. - R.B.N.M.L., Salboni, Paschim Medinipur, PIN - 721 132	Sampling Date : 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Sampling Time : 02:00 PM
			Analysis Start Date : 20.03.2023
			Analysis Complete Date : 27.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021; Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	:	SEWAGE WATER	
Sample Condition	:	In Plastic Bottle & Glass Bottle	
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA 23 <sup>rd</sup> ed 2017	
#Location	:	STP - 1 INLET	

Sl. No.	Parameters	Unit	Result	Method Followed
1.	pH (at 24°C)	---	6.78	IS:3025(Part-11):1983: RA 2017, APHA 23 <sup>rd</sup> Edition 4500-H <sup>+</sup> B
2.	Total Suspended Solid (TSS)	mg/L	122.0	IS:3025 (Part-17): 1984: RA 2017, APHA 23 <sup>rd</sup> Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	259.5	APHA 23 <sup>rd</sup> Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 5 days at 20°C)	mg/L	98.0	IS:3025 (Part-44): 1993: RA 2019,
5.	Oil and Grease	mg/L	5.8	IS:3025 (Part-39): 1991: RA 2019, APHA 23 <sup>rd</sup> Edition 5520B,
6.	Lead (as Pb)	mg/L	0.72	APHA 23 <sup>rd</sup> Edition 3111B
7.	Copper (as Cu)	mg/L	<0.02	APHA 23 <sup>rd</sup> Edition 3111B
8.	Nickel (as Ni)	mg/L	0.55	APHA 23 <sup>rd</sup> Edition 3111B
9.	Total Chromium (as Cr)	mg/L	0.42	APHA 23 <sup>rd</sup> Edition 3500 Cr B IS:3025 (Part-52): 2003: RA 2017
10.	Total Metal (Pb+ Cu + Ni + Cr)	mg/L	1.69	By Calculation
11.	Fecal Coliform	MPN/100 ml	Absent	IS: 1622:1981 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui  
(Quality Manager)

Signatory Authority  
Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note :
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India in front of customer representatives
  - Sample submitted and identified by customer as: N.A.
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  - Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
  - Location of Testing: Haldia Laboratory

-----End of Report-----

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CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970





# INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 28.03.2023	:	Report No: ICI/HL/W/RN-542/2023	Format No: ICI/FM/H/67
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/W-542
Address	:	P.O. - R.B.N.M.L., Salboni, Paschim Medinipur, PIN - 721 132	Sampling Date : 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Sampling Time : 02:05 PM Analysis Start Date : 20.03.2023 Analysis Complete Date : 27.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021: Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	:	SEWAGE WATER	
Sample Condition	:	In Plastic Bottle & Glass Bottle	
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA 23 <sup>rd</sup> Edition 2017	
#Location	:	STP - 1 OUTLET	

Sl. No.	Parameters	Unit	Result	Schedule - VI: General Standards for Discharge of Environmental Pollutants Part A: Effluents**		Method Followed
				Inland Surface Water	Land for Irrigation	
1.	pH (at 24°C)	---	7.53	5.5-9.0	5.5-9.0	IS:3025(Part-11):1983: RA 2017, APHA 23 <sup>rd</sup> Edition 4500-H <sup>+</sup> B
2.	Total Suspended Solid (TSS)	mg/L	39.0	100 mg/L (max)	200 mg/L (max)	IS:3025 (Part-17): 1984 : RA 2017, APHA 23 <sup>rd</sup> Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	76.9	250 mg/L (max)	-	APHA 23 <sup>rd</sup> Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 5 days at 20°C)	mg/L	17.0	30 mg/L (max)	100 mg/L (max)	IS:3025 (Part-44):1993: RA 2019,
5.	Oil and Grease	mg/L	3.4	10 mg/L (max)	10 mg/L (max)	IS:3025 (Part-39): 1991: RA 2019, APHA 23 <sup>rd</sup> Edition 5520B,
6.	Lead (as Pb)	mg/L	<0.01	0.1 mg/L (max)	-	APHA 23 <sup>rd</sup> Edition 3111B
7.	Copper (as Cu)	mg/L	<0.02	3 mg/L (max)	-	APHA 23 <sup>rd</sup> Edition 3111B
8.	Nickel (as Ni)	mg/L	<0.01	3 mg/L (max)	-	APHA 23 <sup>rd</sup> Edition 3111B
9.	Total Chromium (as Cr)	mg/L	<0.05	2 mg/L (max)	-	APHA 23 <sup>rd</sup> Edition 3500 Cr B IS:3025 (Part-52): 2003: RA 2017
10.	Total Metal (Pb+ Cu + Ni +Cr)	mg/L	Nil	-	-	By Calculation
11.	Fecal Coliform	MPN/100 ml	Absent	-	-	IS: 1622:1981 (RA 2019)

\*\*The Environment (Protection) Rules, 1986

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)

Signatory Authority

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note :
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India in front of customer representatives
  - Sample submitted and identified by customer as: N.A.
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  - Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
  - Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 28.03.2023	:	Report No: ICI/HL/W/RN-543/2023	Format No: ICI/FM/H/67
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/W-543
Address	:	P.O. - R.B.N.M.L., Salboni, Paschim Medinipur, PIN - 721 132	Sampling Date : 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Sampling Time : 02:10 PM Analysis Start Date : 20.03.2023 Analysis Complete Date : 27.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	:	SEWAGE WATER	
Sample Condition	:	In Plastic Bottle & Glass Bottle	
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA 23 <sup>rd</sup> ed 2017	
#Location	:	STP - 2 INLET	

Sl. No.	Parameters	Unit	Result	Method Followed
1.	pH (at 24°C )	—	6.49	IS:3025(Part-11):1983: RA 2017, APHA 23 <sup>rd</sup> Edition 4500-H <sup>+</sup> B
2.	Total Suspended Solid (TSS)	mg/L	6050.0	IS:3025 (Part-17): 1984: RA 2017, APHA 23 <sup>rd</sup> Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	173.0	APHA 23 <sup>rd</sup> Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 5 days at 20°C)	mg/L	69.0	IS:3025 (Part-44): 1993: RA 2019,
5.	Oil and Grease	mg/L	8.5	IS:3025 (Part-39): 1991: RA 2019, APHA 23 <sup>rd</sup> Edition 5520B,
6.	Lead (as Pb)	mg/L	0.66	APHA 23 <sup>rd</sup> Edition 3111B
7.	Copper (as Cu)	mg/L	<0.02	APHA 23 <sup>rd</sup> Edition 3111B
8.	Nickel (as Ni)	mg/L	0.60	APHA 23 <sup>rd</sup> Edition 3111B
9.	Total Chromium (as Cr)	mg/L	0.47	APHA 23 <sup>rd</sup> Edition 3500 Cr B IS:3025 (Part-52): 2003: RA 2017
10.	Total Metal (Pb+ Cu +Ni + Cr)	mg/L	1.73	By Calculation
11.	Fecal Coliform	MPN/100 ml	Absent	IS: 1622:1981 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui  
(Quality Manager)  
Signatory Authority  
Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

- Note :
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India in front of customer representatives
  - Sample submitted and identified by customer as: N.A.
  - Test results shown in this test report relate only to the sample (s) only
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - The reproduction of the report except in full is invalid without written approval of the laboratory
  - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
  - Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 28.03.2023	:	Report No: ICI/HL/W/RN-544/2023	Format No: ICI/FM/H/67
Customer Name	:	M/s. BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD.	Sample ID No : 2023/W-544
Address	:	P.O. - R.B.N.M.L., Salboni, Paschim Medinipur, PIN - 721 132	Sampling Date : 15.03.2023
#Customer Representative Name & Contact Number	:	Mr. Santosh C Kumar Mob. No. +91-8762530795	Sampling Time : 02:15 PM
			Analysis Start Date : 20.03.2023
			Analysis Complete Date : 27.03.2023
#Work Order No.	:	002/SAL/MMD-CIVIL/2021-22, Dtd. 18.06.2021 Amendment No: 1 Dtd. 17.05.2022 BMM NO.: 1545/(S)07.07.06/TE-010(2020-21)/2022-23, Dtd. 24.05.2022	
#Sample Description	:	SEWAGE WATER	
Sample Condition	:	In Plastic Bottle & Glass Bottle	
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA 23 <sup>rd</sup> ed 2017	
# Location	:	STP - 2 OUTLET	

Sl. No.	Parameters	Unit	Result	Schedule - VI: General Standards for Discharge of Environmental Pollutants Part A: Effluents**		Method Followed
				Inland Surface Water	Land for Irrigation	
1.	pH (at 24°C)	---	7.42	5.5-9.0	5.5-9.0	IS:3025(Part-11):1983: RA 2017, APHA 23 <sup>rd</sup> Edition 4500-H <sup>+</sup> B
2.	Total Suspended Solid (TSS)	mg/L	52.0	100 mg/L (max)	200 mg/L (max)	IS:3025 (Part-17): 1984: RA 2017, APHA 23 <sup>rd</sup> Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	67.3	250 mg/L (max)	-	APHA 23 <sup>rd</sup> Edition 5220B
4.	Bio-Chemical Oxygen Demand(for 5 days at 20°C)	mg/L	13.0	30 mg/L (max)	100 mg/L (max)	IS:3025 (Part-44):1993: RA 2019,
5.	Oil and Grease	mg/L	3.2	10 mg/L (max)	10 mg/L (max)	IS:3025 (Part-39): 1991: RA 2019, APHA 23 <sup>rd</sup> Edition 5520B,
6.	Lead (as Pb)	mg/L	<0.01	0.1 mg/L (max)	-	APHA 23 <sup>rd</sup> Edition 3111B
7.	Copper (as Cu)	mg/L	<0.02	3 mg/L (max)	-	APHA 23 <sup>rd</sup> Edition 3111B
8.	Nickel (as Ni)	mg/L	<0.01	3 mg/L (max)	-	APHA 23 <sup>rd</sup> Edition 3111B
9.	Total Chromium (as Cr)	mg/L	<0.05	2 mg/L (max)	-	APHA 23 <sup>rd</sup> Edition 3500 Cr B IS:3025 (Part-52): 2003: RA 2017
10.	Total Metal (Pb+ Cu +Ni + Cr)	mg/L	Nil	-	-	By Calculation
11.	Fecal Coliform	MPN/100 ml	Absent	-	-	IS: 1622:1981 (RA 2019)

\*\*The Environment (Protection) Rules, 1986

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Parbati Golui  
(Quality Manager)  
Signatory Authority

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

- Note :
1. # Information provided by customer
  2. Sample is drawn by M/s. Indicative Consultant India in front of customer representatives
  3. Sample submitted and identified by customer as: N.A.
  4. Test results shown in this test report relate only to the sample (s) only
  5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  6. The reproduction of the report except in full is invalid without written approval of the laboratory
  7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
  9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



पॉलिसी अनुसूची/ Policy Schedule - Public Liability - Industrial Risks	
<b>Policy Number: 602100492210000041</b>	<b>व्यवसाय स्रोत / Business Source: 602100</b>
जारीकर्ता कार्यालय/Issuing Office कार्यालय कोड/ Office Code: 602100 कार्यालय पता/ Office Address: BENGALURU DIVISION II No 672, First Floor, 11th Main Jayanagar 4T Block, - 560011. State Code: 29 , Karnataka GSTIN: 29AAACN9967E1ZZ Contact Number: 80 26542333 Mobile Number: 0	विक्रय चैनल विवरण/ <b>Sales Channel Details</b> कोड/ Code: 602100 नाम/ Name: Bengaluru Division II Contact Number: सह दलाल कोड / Co Broker Code:  कस्टमर केयर टॉल फ्री नंबर/Customer Care Toll Free Number: 1800 345 0330 ईमेल/ email:customer.support@nic.co.in

ग्राहक का नाम /Customer Name: BHARATIYA RESERVE BANK NOTE MUDRAN PVT LTD	ग्राहक आईडी /Customer ID: 9510378024	पैन /PAN: AAACB8111E
पता/ Address: CORPORATE OFFICE, NO 3 & 4, 1ST PHASE 1ST STAGE, BTM LAYOUT, BANNERGHATTA, BANGALORE DIST. : BENGALURU, KARNATAKA, City: BENGALURU, District: BENGALURU, State: KARNATAKA, PIN: 560029. Cell: 1111111111	फोन /Phone:	ई-मेल /E-Mail:

पॉलिसी: 30/06/2022 के 00:00 से 29/06/2023 की मध्य रात्रि तक प्रभावी /Policy Effective from 00:00 hours, on 30/06/2022 to midnight of 29/06/2023			
प्रीमियम/ Premium	₹ 10,000.00	कवर नोट संख्या और तथि/ Cover Note Number and Date	लागू नहीं/NA
CGST	₹ 900.00	प्रस्ताव संख्या और तथि/ Proposal Number and Date	8800180730837926 Dt. 13/07/2022
SGST/UTGST	₹ 900.00		
IGST	₹ 0.00		
केरला बाढ़ उपकर/Kerala Flood Cess	₹ 0.00	रसीद संख्या और तथि/ Receipt Number and Date	602100812210001029 Dt. 29/06/2022
कम: जीएसटी टैडीएस / Less: GST_TDS	₹ 0.00		
पुनर्प्राप्ति योग्य स्टाम्प ड्यूटी /Recoverable Stamp Duty	₹ 0.00	पछिली पॉलिसी संख्या और समाप्ति तथि/ Previous Policy Number and Expiry Date	602100491810000051 and Dt. 29/06/2019 602100491910000039 and Dt. 29/06/2020 602100492010000060 and Dt. 29/06/2021 602100492110000042 and Dt. 29/06/2022
कुल /Total Amount	₹ 11,800.00		

(Rupees Eleven Thousand Eight Hundred Only.)

Total Location Sum Insured	₹ 10,00,000.00
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**Location Address:**

1) BHARATIYA RESERVE BANK NOTE MUDRAN PVT LTD, (1) SALBONI PRESS, MEDINIPUR, WEST BENGAL - 721132, (2) MYSORE PRESS, NOTE MUDRAN NAGAR, MYSORE, KARNATAKA 570003, (3) CORPORATE OFFICE- 3 AND 4, 1ST STAGE, 1ST PHASE, BTM LAYOUT, BANNERGHATTA ROAD, Bengaluru, Bengaluru, Karnataka, 560029.

SL. No	Coverage	Coverage Description	Sum Insured
1	Basic Cover	LEGAL LIABILITY TO ANY BONIFIED VISITORS TO THE PREMISES OF BRBNMPL, CORPORATE OFFICE, MYSORE PRESS AND SALBONI PRESS	1,00,00,000.00
	अधिक/Excess: Compulsory Excess: ₹ 1,000.00, 0.25% OF THE LIMIT OF INDEMNITY PER ANY ONE ACCIDENT.		
	Additional Information: NA		
Clauses		As per Annexure I	



पॉलिसी अनुसूची/ Policy Schedule - Public Liability - Industrial Risks	
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<b>जारीकर्ता कार्यालय/Issuing Office</b> <b>कार्यालय कोड/ Office Code: 602100</b> <b>कार्यालय पता/ Office Address: BENGALURU</b> <b>DIVISION II No 672, First Floor, 11th Main</b> <b>Jayanagar 4T Block, - 560011.</b> <b>State Code: 29 , Karnataka</b> <b>GSTIN: 29AAACN9967E1ZZ</b> <b>Contact Number: 80 26542333</b> <b>Mobile Number: 0</b>	<b>विक्रय चैनल विवरण/</b> <b>Sales Channel Details</b> <b>कोड/ Code: 602100</b> <b>नाम/ Name: Bengaluru Division II</b> <b>Contact Number:</b>
	<b>सह दलाल कोड / Co Broker Code:</b>  <b>कस्टमर केयर टॉल फ्री नंबर/Customer</b> <b>Care Toll Free Number:</b> <b>1800 345 0330</b> <b>ईमेल/</b> <b>email:customer.support@nic.co.in</b>

जिसकी गवाही में दनि/ माह /वर्ष को उपरोक्त उल्लेखित कार्यालय पते पर अधोहस्ताक्षरी को वधिवित अधिकृत किया जा रहा है उसके हाथ नरिधारति करि जाएं। यह अनुसूची, संलग्न पॉलिसी, खण्ड, पृष्ठांकन और पॉलिसी शब्दों, जो कंपनी वेबसाईट <https://nationalinsurance.nic.co.in> पर उपलब्ध है, को एक अनुबंध के रुप में एक साथ पढ़ा जाए तथा कोई भी शब्द या अभिव्यक्ति जिसके लिए यह वशिष्ट अर्थ पॉलिसी या अनुसूची के किसी भी हिससे में संलग्न किया गया हो, एक ही अर्थ वहन करेगा चाहे जहाँ भी उल्लेखित हो। यह आश्वासन दिया जाता है कि प्रीमियम चेक के अस्वीकृतिके मामले में, यह दस्तावेज स्वतः प्राथमिकता नरिस्त हो जाएगी। **IN WITNESS WHEREOF, the undersigned being duly authorized hereunto set his/ her hand at the office address mentioned above, this 13/July/2022. This schedule, the attached policy, the clauses, the endorsements and policy wordings as available in the website <https://nationalinsurance.nic.co.in> shall be read together as one contract and any word or expression to which the specific meaning has been attached in any part of this policy or of the schedule shall bear the same meaning wherever it may appear. It is warranted that IN CASE OF DISHONOUR OF THE PREMIUM CHEQUE, THIS DOCUMENT STANDS AUTOMATICALLY CANCELLED 'AB-INITIO'**

इंश्योरेन्सइंडियालिमिटेड

कृते नेशनल इन्श्योरेन्स कंपनी  
 स्टंप इयुलिमिटेड/ For and on behalf of National Insurance  
 Stamp  
 Duty:  
 (₹ 1.00 )  
 Company Limited

अधिकृत हस्ताक्षरकर्ता/ Authorized  
 Signatory



पॉलिसी अनुसूची/ Policy Schedule - Public Liability - Industrial Risks	
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	कस्टमर केयर टॉल फ्री नंबर/Customer <b>Care Toll Free Number:</b> <b>1800 345 0330</b> ईमेल/ <b>email:customer.support@nic.co.in</b>

अनुलग्नक I / ANNEXURE I - लागू खंडों की सूची/ List of Applicable Clauses

- PREVIOUS POLICY DETAILS : 602100491910000039 (30/06/2019 TO 29/06/2020)  
 602100491810000051 (30/06/2018 TO 29/06/2019)  
 602100491710000033 (30/06/2017 TO 29/06/2018)  
 602400491710000001 (02/04/2017 TO 01/07/2017)  
 602400491610000002 (02/04/2016 TO 01/04/2017)  
 602400491510000002 (02/04/2015 TO 01/04/2016)
- TERMS : THE POLICY IS SUBJECT TO THE TERMS, EXCLUSIONS AND CONDITIONS AS PER PUBLIC LIABILITY (INDUSTRIAL RISK) POLICY.

कृते नेशनल इन्श्योरेंस कंपनी लिमिटेड/  
 For and on behalf of National  
 Insurance Company Limited

अधिकृत हस्ताक्षरकर्ता/ Authorized Signatory



पॉलिसी अनुसूची/ Policy Schedule - Public Liability - Industrial Risks	
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अधिकृत हस्ताक्षरकर्ता/ Authorized Signatory