

KSPCB/BMW/ANNUAL RETURNS/2018/18

12th June, 2019

The Environmental Officer (Bangalore South)
Karnataka State Pollution Control Board
Bangalore South- (Region 1)
Bangalore – 560001

Dear Sir/Madam,

Subject: Submission of Form 4 Annual returns regarding disposal of Biomedical waste

We are here with submitting the FORM 4 Annual returns for disposal of Biomedical waste from our JP IT Park at Electronic City, Bangalore.

In anticipation of your favorable orders, we thank you and remain,

Yours sincerely,

For INFOSYS LIMITED

Bhawesh Kumar

BHAWESH KUMAR

AVP - REGIONAL HEAD – FACILITIES



Enclosure:

1. Copy of Form 4 Annual report
2. Copy of Biomedical Waste Authorization
3. Training Sheets
4. Copy of Vendor Agreement
5. Copy Vendor Authorization

Form - IV
(See rule 13)
ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier of health care facility (HCF) or common bio-medical waste treatment facility (CBWTF)]

Sl.No.	Particulars	
1.	Particulars of the Occupier	M/s Infosys Limited
	(i) Name of the authorized person (occupier or operator of facility)	Mr. Bhawesh Kumar AVP-Regional Head-Facilities
	(ii) Name of HCF or CBMWTF	Infosys Health Care (First aid Centre only)
	(iii) Address for Correspondence	Infosys Limited, Electronic City, Hosur Road, Bangalore - 560100
	(iv) Address of Facility	JP IT Park – Plot No.23, KEONICS Sy No. 13, 14, 17 & 18, Konappana Agrahara Village, Begur Hobli, Electronic City Phase -1 Bangalore - 560100
	(v) Tel. No, Fax. No	Ph. : 080 28520261, Fax No: 080- 28520339
	(vi) E-mail ID	infosys@infosys.com
	(vii) URL of Website	www.infosys.com
	(viii) GPS coordinates of HCF or CBMWTF	Latitude: 13. 0836 and Longitude: 77. 6426
	(ix) Ownership of HCF or CBMWTF	State Government
	(x). Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	Authorization No: 76/PCB/RO/BOM/2018/BMW-101/636 Dtd: 26.07.2018
(xi). Status of Consents under Water Act and Air Act	Valid up to: 31-12-2021	
2.	Type of Health Care Facility	Consultation Centre (Basic first aid only)
	(i) Bedded Hospital	No. of Beds : 01
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	-NA-
	(iii) License number and its date of expiry	Applied license online & application submitted on 12.10.2018 & received ack. copy on 29.10.2018
3.	Details of CBMWTF	-NA-
	(i) Number healthcare facilities covered by CBMWTF	-NA-
	(ii) No of beds covered by CBMWTF	-NA-
	(iii) Installed treatment and disposal capacity of CBMWTF:	-NA-


	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	-NA-								
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	:	Yellow Category : 9.7968 Kgs Red Category : 6.749 Kgs White : 2.4344 Kgs Blue Category : 0.4372 Kgs Sanitary Waste : 101.84 Kgs								
5	Details of the Storage, treatment, transportation, processing and Disposal Facility										
	(i) Details of the on-site storage facility	:	Size: 66 Sq.ft Capacity: 40 ltrs of bins Provision of on-site storage: Designated area at main campus is made available for storage of Bio-medical waste.								
	(ii) Details of the treatment or disposal facilities	:	<table border="0"> <thead> <tr> <th>Type of treatment equipment</th> <th>No of Units</th> <th>Capacity Kg/day</th> <th>Quantity treated/disposed in kg per annum</th> </tr> </thead> <tbody> <tr> <td>Incinerators Plasma Pyrolysis Autoclaves Microwave Hydroclave Shredder Needle tip cutter or destroyer Sharps encapsulation or concrete pit Deep burial pits: Chemical disinfection: Any other treatment equipment:</td> <td></td> <td></td> <td>-NA-</td> </tr> </tbody> </table>	Type of treatment equipment	No of Units	Capacity Kg/day	Quantity treated/disposed in kg per annum	Incinerators Plasma Pyrolysis Autoclaves Microwave Hydroclave Shredder Needle tip cutter or destroyer Sharps encapsulation or concrete pit Deep burial pits: Chemical disinfection: Any other treatment equipment:			-NA-
Type of treatment equipment	No of Units	Capacity Kg/day	Quantity treated/disposed in kg per annum								
Incinerators Plasma Pyrolysis Autoclaves Microwave Hydroclave Shredder Needle tip cutter or destroyer Sharps encapsulation or concrete pit Deep burial pits: Chemical disinfection: Any other treatment equipment:			-NA-								
	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.	:	Red Category (like plastic, glass etc.) -NA-								
	(iv) No of vehicles used for collection and transportation of biomedical waste	:	1 Vehicle								
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	:	<table border="0"> <thead> <tr> <th></th> <th>Quantity generated</th> <th>Where disposed</th> </tr> </thead> <tbody> <tr> <td>Incineration Ash ETP Sludge</td> <td></td> <td>NA – The waste is sent to authorized KSPCB recycler</td> </tr> </tbody> </table>		Quantity generated	Where disposed	Incineration Ash ETP Sludge		NA – The waste is sent to authorized KSPCB recycler		
	Quantity generated	Where disposed									
Incineration Ash ETP Sludge		NA – The waste is sent to authorized KSPCB recycler									

	(vi) Name of the Common Bio- Medical Waste Treatment Facility Operator through which wastes are disposed of	: M/s Maridi Eco Industries Pvt. Ltd No-1/37 & 1/38, Gabbadikaval Village 35 th Mile Stone, Kanakapura Road Bangalore-561112
	(vii) List of member HCF not handed over bio-medical waste.	-NA-
6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period	-NA-
7	Details trainings conducted on BMW	
	(i) Number of trainings conducted on BMW Management.	2
	(ii) Number of personnel trained	35
	(iii) Number of personnel trained at the time of induction	NIL
	(iv) Number of personnel not undergone any training so far	NIL
	(v) Whether standard manual for training is available?	-NA-
	(vi) any other information)	
8	Details of the accidents occurred during the year	NIL
	(i) Number of Accidents occurred	0
	(ii) Number of the persons affected	0
	(iii) Remedial Action taken (Please attach details if any)	-NA-
	(iv) Any Fatality occurred, details.	-NA-
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?	-NA-
	Details of Continuous online emission monitoring systems installed	-NA-
10.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	-NA-
11	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	-NA-
12.	Any other relevant information	: (Air Pollution Control Devices attached with the Incinerator) - NA

Certified that the above report is for the period from 1st January 2018 to 31st December 2019

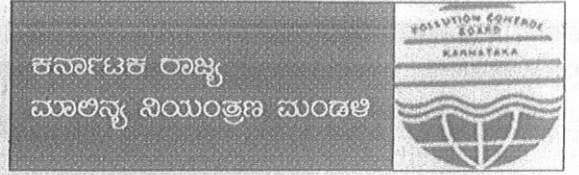
Date: 12-Jun-2019

Place: Bangalore


Name and Signature of the Head of the Institution

Office of the Regional Officer
Karnataka State Pollution Control Board
Bengaluru Bommanahalli
"NISARGA BHAVAN" 2nd Floor
Thimmaiah Road, 7th 'D' Main, Shivanagar,
Opp. Pushpanjali Theatre, Bengaluru -560 010
Phone : (O) 080 -23221552
e-mail ID-bommanhalli@kspcb.gov.in

ಪ್ರಾದೇಶಿಕ ಅಧಿಕಾರಿಯವರ ಕಛೇರಿ
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
ಬೆಂಗಳೂರು ಬೊಮ್ಮನಹಳ್ಳಿ
"ನಿಸರ್ಗ ಭವನ", ೭ನೇ ಅಂತಸ್ತು, ತಿಮ್ಮಯ್ಯ ರಸ್ತೆ,
೭ನೇ 'ಡಿ' ಮುಖ್ಯ ರಸ್ತೆ, ಶಿವನಗರ
ಪುಷ್ಪಾಂಜಲಿ ಟೀಟ್ರಮಂಥಿರದ ಎದುರು, ಬೆಂಗಳೂರು
ದೂರವಾಣಿ: ೦೮೦- ೨೩೨೨೧೫೫೨



towards a cleaner Karnataka

FORM -III
(See rule 10)
AUTHORISATION

(Authorization for operating a facility for generation, collection, reception, treatment, storage, transport and disposal of biomedical wastes)

1. Authorization No. 76/PCB/RO/BOM/2018/BMW-101/

636

26 JUL 2018
Date:

2. **M/s. Infosys Limited**, is a Large Red category Software Development Industry engaged in the software development activity and having in-house health care facility for their employees located at **JPIT park, Plot No. 23, KEONICS, Sy.No. 13,1417, &18 of Kinappana Agrahra Village, Begur Hobli, Electronic city, Hosur road, Bengaluru -560 100** is hereby granted an authorization for;

Activity	Please Tick
Generation, Segregation	✓
Collection	✓
Storage	✓
Packaging	✓
Reception	✓
Transportation	--
Treatment or Processing or conversion	--
Recycling	--
Disposal or destruction	--
Use	--
Offering for sale, transfer	--
Any other form of handling	--


3. **M/s. Infosys Limited** is hereby authorized for handling of Biomedical waste as per the capacity given below

- (i) Number of beds of HCF: Nil
(ii) Quantity of Biomedical waste handled, treated or disposed: 1110 grams/ Day.

Cat.No (1)	Waste category Type(2)	Quantity generated/ collected(3)	Treatment & disposal method(4)
Yellow	a) Human Anatomical Waste:	1000 Grams/ Day 100 grams /Day	The Clinic shall hand over the wastes of this category to CBMWTF
	(b) Animal Anatomical Waste :		
	c) Soiled Waste:		
	d) Expired or Discarded Medicines:		
	e) Chemical Waste:		
	f) Chemical Liquid Waste :		

	g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.		
	(h) Microbiology, Biotechnology and other clinical laboratory waste:		
Red	Contaminated Waste (Recyclable)	Nil	----
White (Translucent)	Waste sharps including Metals	10 grams /Day	The Clinic shall hand over the wastes of this category to CBMWTF
Blue	Glassware :	Nil	----
	Metallic Body Implants		

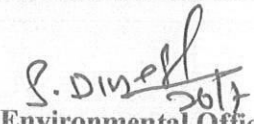
- 4 This is a **onetime permanent authorization** issued as per the Biomedical Waste Management Rules 2016 notified by Government of India, Ministry of Environment, Forest & Climate Change, New Delhi Dtd: 28th March 2016
- 5 This authorization is subject to the conditions stated below and to such other conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986.


 S. Dinithi
 26/7
 Environmental Officer
 RO-Bommanahalli

To
M/s. Infosys Limited
JPIT park, Plot No. 23, KEONICS,
Sy.No. 13,1417, &18 of Kinappana Agrahra Village,
Begur Hobli, Electronic city,
Hosur road, Bengaluru -560 100

Terms and conditions of authorization

1. The applicant shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the prescribed authority (Karnataka State Pollution Control Board)
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the biomedical wastes without obtaining prior permission of the prescribed authority.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. It is the duty of the authorized person to take prior permission of the prescribed authority to close down the facility and such other terms and conditions may be stipulated by the prescribed authority.
6. The applicant shall file Annual report in the Form - IV on or before 30th June every year for the period from January to December of the preceding year w.r.t details of Bio medical Waste Storage, Treatment, Transportation, Processing and Disposal Facility.
7. The applicant shall immediately report to the Board of any accident.
8. The applicant shall take all necessary steps to ensure that bio-medical waste is handled without any adverse effect to human health and the environment and in accordance with rules.
9. The applicant shall make a provision within the premises for a safe, ventilated and secured location for storage of segregated biomedical waste in colored bags or containers in the manner as specified in Schedule I, to ensure that there shall be no secondary handling, pilferage of recyclables or inadvertent scattering or spillage by animals and the bio-medical waste from such place or premises shall be directly transported in the manner as prescribed in rules to the common bio-medical waste treatment facility or for the appropriate treatment and disposal, as the case may be, in the manner as prescribed in Schedule I.
10. The applicant shall pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilization on-site in the manner as prescribed by the World Health Organization (WHO) or National AIDs Control Organization (NACO) guidelines and then sent to the common bio-medical waste treatment facility for final disposal; if any.
11. The applicant shall phase out use of chlorinated plastic bags, gloves and blood bags within two years from the date of notification of these rules;
12. The applicant shall dispose of solid waste other than bio-medical waste in accordance with the provisions of respective waste management rules made under the relevant laws and amended from time to time
13. The applicant shall provide training to all its health care workers and others, involved in handling of bio medical waste at the time of induction and thereafter at least once every year and the details of training program conducted, number of personnel trained and number of personnel not undergone any training shall be provided in the Annual Report.
14. The applicant shall immunize all its health care workers and others, involved in handling of bio-medical waste for protection against diseases including Hepatitis B and Tetanus that are likely to be transmitted by handling of bio-medical waste, in the manner as prescribed in the National Immunization Policy or the guidelines of the Ministry of Health and Family Welfare issued from time to time.
15. The applicant shall establish a Bar- Code System for bags or containers containing bio-medical waste to be sent out of the premises or place for any purpose within one year from the date of the notification of these rules;


S. Dinesh
Environmental Officer
RO-Bommanahalli

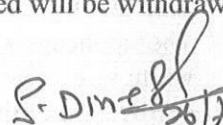
16. The applicant shall ensure segregation of liquid chemical waste at source and ensure pre-treatment or neutralization prior to mixing with other effluent generated from health care facilities; If any.
17. The applicant shall ensure treatment and disposal of liquid waste in accordance with the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974). The treated effluents shall confirm to the standards for discharge of liquid wastes as mentioned below.

STANDARDS FOR DISCHARGE OF LIQUID WASTE

Sl. No.	Parameters	Permissible units
01	pH	6.5- 9.0
02	Suspended solids	100mg/l
03	Oil & grease	10mg/l
04	BOD	30mg/l
05	COD	250mg/l
06	Bio-assay test	90%Survival of fish after 96 hours in 100% effluent

Note: Sludge form effluent treatment plant shall be dispose to common Bio medical wastes treatment facility for incineration or to hazardous waste treatment, storage and disposal facility.

18. The applicant shall ensure occupational safety of all its health care workers and others involved in handling of biomedical waste by providing appropriate and adequate personal protective equipments;
19. The applicant Shall conduct health check up at the time of induction and at least once in a year for all its health care workers and others involved in handling of bio- medical waste and maintain the records for the same;
20. The applicant shall maintain and update on day to day basis the bio-medical waste management register and display the monthly record on its website according to the bio-medical waste generated in terms of category and colour coding as specified in Schedule I;
21. The applicant shall report major accidents including accidents caused by fire hazards, blasts during handling of biomedical waste and the remedial action taken and the records relevant thereto, (including nil report) in Form I to the prescribed authority and also along with the annual report to Regional Office, Bommanahalli.
22. The applicant shall make available the annual report on its web-site and all the health care facilities shall make own website within two years from the date of notification of these rules.
23. The applicant shall inform the prescribed authority immediately in case the operator of a facility does not collect the bio-medical waste within the intended time or as per the agreed time;
24. The applicant shall designate a qualified person to review and monitor the activities relating to bio-medical waste management within that establishment and submit the annual report.
25. The applicant shall display Charter on implementation of Bio-Medical Waste (M&H) Rules to the public in the hospital.
26. The applicant shall display this authorization at a prominent place like reception / entrance Etc.,
27. The agreement copy with **M/s. Maridi Eco Industries Pvt Ltd.**, to handle BMW waste is valid upto 31.12.2019. After the date of expiry, you are hereby informed to submit the renewal of agreement copy to handle the BMW waste. Failing which BMW authorization issued will be withdrawn.


S. Dinesh
 Environmental Officer
 RO-Bommanahalli

Schedule I

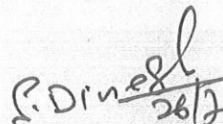
[See rules 3 (e), 4(b), 7(1), 7(2), 7(5), 7 (6) and 8(2)]

Part-1

Biomedical wastes categories and their segregation, collection, treatment, processing and disposal options

Category	Type of Waste	Type of Bag or Container to be used	Treatment and Disposal options
(1)	(2)	(3)	(4)
Yellow	a) Human Anatomical Waste: (b) Animal Anatomical Waste :	Yellow coloured non-chlorinated plastic bags	Incineration or Plasma Pyrolysis or deep burial*
	c) Soiled Waste:		Incineration or Plasma Pyrolysis or deep burial*. In absence of above facilities, autoclaving or micro-waving/ hydroclaving followed by shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent for energy recovery.
	d) Expired or Discarded Medicines:	Yellow coloured non-chlorinated plastic bags or containers	Expired cytotoxic drugs and items contaminated with cytotoxic drugs to be returned back to the manufacturer or supplier for incineration at temperature >1200 °C or to common bio-medical waste treatment facility or hazardous waste treatment, storage and disposal facility for incineration at >1200°C Or Encapsulation or Plasma Pyrolysis at >1200°C. All other discarded medicines shall be either sent back to manufacturer or disposed by incineration.
	e) Chemical Waste:	Yellow coloured containers or non-chlorinated plastic bags	Disposed of by incineration or Plasma Pyrolysis or Encapsulation in hazardous waste treatment, storage and disposal facility.
	f) Chemical Liquid Waste :	Separate collection system leading to effluent treatment system	After resource recovery, the chemical liquid waste shall be pre-treated before mixing with other wastewater. The combined discharge shall conform to the discharge norms given in Schedule-III.
	g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	Non-chlorinated yellow plastic bags or suitable packing material	Non-chlorinated chemical disinfection followed by incineration or Plasma Pyrolysis or for energy recovery. In absence of above facilities, shredding or mutilation or combination of sterilization and

Category	Type of Waste	Type of Bag or Container to be used	Treatment and Disposal options
	(h) Microbiology, Biotechnology and other clinical laboratory waste:	Autoclave safe plastic bags or containers	shredding. Treated waste to be sent for energy recovery or incineration or Plazma Pyrolysis. Pre-treat to sterilize with non-chlorinated chemicals on-site as per National AIDS Control Organization or World Health Organization guidelines thereafter for Incineration.
Red	Contaminated Waste (Recyclable)	Red coloured non-chlorinated plastic bags or containers	Autoclaving or micro-waving/ hydroclaving followed by shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent to registered or authorized recyclers or for energy recovery or plastics to diesel or fuel oil or for road making, whichever is possible. Plastic waste should not be sent to landfill sites.
White (Translucent)	Waste sharps including Metals	Puncture proof, Leak proof, tamper proof containers	Autoclaving or Dry Heat Sterilization followed by shredding or mutilation or encapsulation in metal container or cement concrete; combination of shredding cum autoclaving; and sent for final disposal to iron foundries (having consent to operate from the State Pollution Control Boards or Pollution Control Committees) or sanitary landfill or designated concrete waste sharp pit.
Blue	a) Glassware	Cardboard boxes with blue colored marking	Disinfection (by soaking the washed glass waste after cleaning with detergent and Sodium Hypochlorite Treatment) or through autoclaving or microwaving or hydroclaving and then sent for recycling.
	b) Metallic Body Implants		


 P. Dinesh
 26/2
Environmental Officer
RO- Bommanahalli

SCHEDULE IV
[See rule 8(3) and (5)]
Part A

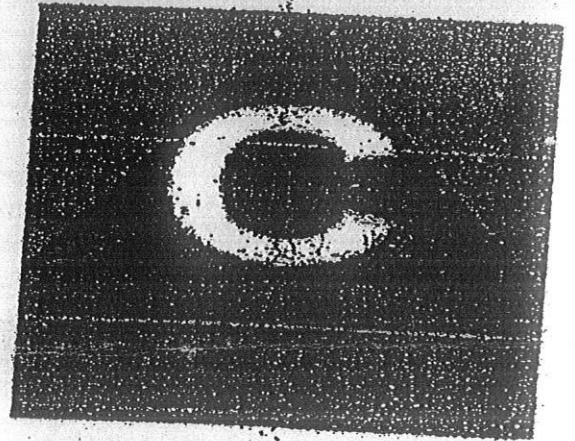
LABEL FOR BIO-MEDICAL WASTE CONTAINERS/BAGS

BIOHAZARD SYMBOL



HANDLE WITH CARE

CYTOTOXIC HAZARD SYMBOL



HANDLE WITH CARE

Note: Label shall be non-washable and prominently visible.

S. Dinesh
26/7
Environmental Officer
RO- Bommanahalli
b

HSE Training Sheet

Name of the Training:- Refreshing Training

Date: 04-05-2018

Topic covered under training:-

Instructor/Trainer Name..... HSE Policy, BMW Segregation & Handling

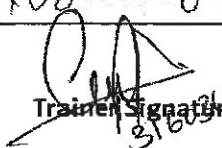
Duration in hours or mins: Narayana Gowda

Location: JP IT Park

45 mins

Sl No.	Name of the attendee	EMP/ID No.	Vendor	Signature
1	Ramesh N	323267	JLL	Ramesh N 323267
2	Ragavendra	316513	JLL	Ragavendra
3	Dhoresha	316726	JLL	Dhoresha
4	Ramachandra	316723	JLL	Ramachandra
5	Ramesh CN	316539	JLL	Ramesh CN
6	Rami Kumar	316728	JLL	Rami Kumar
7	Adi Lakshmi	316518	JLL	Adi Lakshmi
8	Padma	316516	JLL	Padma
9	Siddamma	316548	JLL	Siddamma
10	Prema bai	316517	JLL	Prema Bai
11	Rekha	327857	JLL	Rekha
12	Uthamma	316521	JLL	Uthamma
13	Jothi Bai	316543	JLL	Jothi Bai
14	Manjula N	316580	JLL	Manjula N
15	Nirmala	316514	JLL	Nirmala
16	Sahikata	331438	JLL	Sahikata
17	Rama devi	331602	JLL	Rama devi

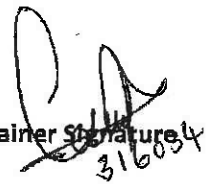
Facility Incharge Signature


 Trainer Signature
 316539

Sl No.	Name of the attendee	EMP/ID No.	Vendor	Signature
18	Sarajamma	316658	JLL	Sarajamma
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				



Facility Incharge Signature



Trainer Signature

316054

HSE Training Sheet

Name of the Training:- Refreshing Training

Date: 22-06-2018

Topic covered under training:- Garbage Segregation, BW Segregation & Handling

Instructor/Trainer Name..... Ramesh .N

Duration in hours or mins:..... 3m

Location: IP IT PARK

Sl No.	Name of the attendee	EMP/ID No.	Vendor	Signature
1	Kumar babu	316515	JLL	S KUMAR R. BO
2	Dhoresha	316726	JLL	Dhoresha
3	Suresha	316519	JLL	Suresha
4	Ramesh cn	316539	JLL	Ramesh
5	Muni rajappa		JLL	Muni
6	Pardma	316516	JLL	Pardma
7	Rama devi	331602	JLL	Rama Devi
8	Siddamma	316548	JLL	Siddamma
9	Adi Lakshmi	316518	JLL	Adi Lakshmi
10	Saehikala	331438	JLL	Saehikala
11	Sarogamma	338994	JLL	Sarogamma
12	Prema bai	316517	JLL	Prema Bai
13	Mangula. N	316520	JLL	Mangula
14	Venkatesha	316524	JLL	Venkatesha
15	Rekha	327857	JLL	Rekha
16	Girijamma	316521	JLL	Girijamma
17	Jothi bai	316543	JLL	Jothi Bai

Facility Incharge Signature

Trainer Signature

Date: 8th June 2018

To,
M/s. Maridi Eco Industries Pvt. Ltd.
No.5, 2nd Floor, C.M. Plaza,
No.71, 8th cross, 1st Main, S.R. Nagar,
Bangalore – 560027

Dear Sir,

Sub: Addendum to BMW agreement dated 20th Dec'2016 – Reg
Ref: 1. Agreement dated 20th Dec'2016, certificate no.: IN-KA547931251624470
2. Your mail communication dated 25th May 2018

We M/s.Infosys limited would like to amend existing agreement as stated in reference (1) which is valid till 31st Dec'2019 with following addendum with all other conditions remaining the same. Along with existing location M/s.Infosys Limited, Plot No.44 & 97 A, Electronics city, Hosur Road, Bangalore – 560100, following locations shall be considered in agreement.

1. M/s.INFOSYS LIMITED (IIPM)
SY.NO.40(P) & 41(P),
ELECTRONICS CITY PHASE – 2
KONAPPANA AGRAHARA,
BEGUR HOBLI, BANGALORE SOUTH TALUK
BANGALORE
2. M/s.INFOSYS LIMITED (M&C)
SY.NO.:157(P), PLOT NO.53,
ELECTRONICS CITY,
BANGALORE - 560100
3. M/s.INFOSYS LIMITED (GHS)
PLOT NO.: 21, 22, 27 & 28
ELECTRONICS CITY PHASE – 2
BANGALORE
4. M/s.INFOSYS LIMITED (JP IT TOWER B)
PLOT NO.23 KEONICS, SY.NO.13, 14, 17 & 18
KONAPPANA AGRAHARA,
BEGUR HOBLI, ELECTRONICS CITY PHASE – 1
BANGALORE – 560100
5. M/s.INFOSYS BPM LIMITED (INFOZONE)
SY.NO.39/P, 41/P,42/P,
ELECTRONICS CITY, DODDATHOGUR VILLAGE,
BEGUR HOBLI, BANGALORE

Kindly acknowledge the receipt.

Regards

For INFOSYS LIMITED

Bhawesh Kumar
AUTHORIZED SIGNATORY



INFOSYS LIMITED

CIN: L85110KA1981PLC013115

44, Infosys Avenue
Electronics City, Hosur Road
Bengaluru 560 100, India
T 91 80 2852 0261
F 91 80 2852 0362

askus@infosys.com
www.infosys.com

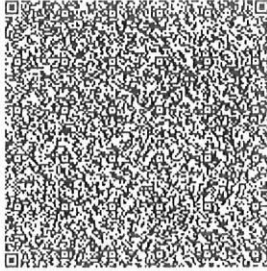


सत्यमेव जयते

INDIA NON JUDICIAL
Government of Karnataka

e-Stamp

Certificate No. : IN-KA547931251624470
Certificate Issued Date : 20-Dec-2016 03:53 PM
Account Reference : NONACC (BK)/ kakscub08/ BANGALORE4/ KA-BA
Unique Doc. Reference : SUBIN-KAKAKSCUB08590731918889340
Purchased by : MARIDI ECO INDUSTRIES PVT LTD
Description of Document : Article 12 Bond
Description : AGREEMENT
Consideration Price (Rs.) : 0
(Zero)
First Party : MARIDI ECO INDUSTRIES PVT LTD
Second Party : INFOSYS LIMITED ELECTRONICS CITY BANGALORE
Stamp Duty Paid By : MARIDI ECO INDUSTRIES PVT LTD
Stamp Duty Amount(Rs.) : 50
(Fifty only)




For Karnataka State Co-Operative Urban Banks Federation Ltd.
Authorised Signatory

.....Please write or type below this line.....

MEMORANDUM OF UNDERSTANDING

M/s. Maridi Eco Industries Pvt Ltd., having its registered office at No.1A/4,8-2-618/2/2, R.K.Residency Road No.11.Banjara Hills, Hyderabad-500034, and having branch office at No.5, 2nd Floor, C.M. Plaza, No.71, 8th Cross, 1st Main, S.R. Nagar, Bangalore-560027, hereinafter referred to as, M/s. Maridi Eco Industries Pvt Ltd. represented by its Marketing Manager Mr.Pradeep.A.J and M/s. INFOSYS LIMITED



Bhawesh Kumar



Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.shoilestamp.com". Any discrepancy in the details on this Certificate available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

having its office at, Plot No-44 & 97A, Hosur Road, Electronic City, Bangalore-560100, referred as M/s. INFOSYS LIMITED have hereby agreed and come to the Memorandum of Understanding on this 1st day of January 2017 as detailed below:

WHEREAS M/s. Maridi Eco Industries Pvt Ltd., with a consent from Karnataka State Pollution Control Board is having a common Bio-Medical Waste Treatment Activity in Ramanagaram district at 36th Mile Stone, Kanakapura Road. The facility is having a state of art Auto clave system along with the shredder and Incinerator.

NOW THIS INDENTURE WITNESSTH AS UNDER

- a. Infosys Limited have applied for and obtained authorization independently from Karnataka State Pollution Control Board as a Generator of Bio Medical Waste (BMW).
- b. Infosys Limited, Plot No-44 & 97A, Hosur Road, Electronic City, Bangalore-560100, has to segregate and give its bio-medical waste, properly packed in color-coded bags (as per Schedule I in Gazette of Ministry of Environment, Forests and Climate Change on Bio medical waste, dated March 28, 2016) for treatment and final disposal to Maridi. The waste has to be weighed and physically handed over to the Maridi Vehicle at specified collection point and at given time.
- c. Maridi Eco Industries Pvt Ltd will not accept any Chlorinated waste or any waste subjected to any type of Radiation. Infosys shall issue monthly certification accordingly.
- d. M/s. Maridi Eco Industries Pvt Ltd. will collect bio medical waste thrice in a week (Except Sunday) and treat the waste as per the regulations. M/s. Maridi Eco Industries Pvt Ltd. will not collect any General waste that is not segregated or not properly packed M/s. Maridi Eco Industries Pvt Ltd. will not collect general garbage. The segregated waste will be transported in closed containers/ vehicles.
- e. Maridi Eco Industries Pvt Ltd. will charge a price of **Rs.10, 000/- per month (Rupees Ten thousand only)**; (Excluding Poly bags) (services tax as applicable) transportation, treatment and final disposal of biomedical waste. This price will be fixed for a period of two (2) year from date of this agreement and thereafter there will be 10% (Ten Percent) escalations in the price for every one-year on existing rate.
- f. M/s. Maridi Eco Industries Pvt Ltd. is not responsible for any cash payments and also will recover bank charges, in the event of cheque bounce.
- g. M/s. INFOSYS LIMITED assures that payment will be made through Account Payee cheque/ DD/ NEFT transfer in favor of M/s. Maridi Eco Industries Pvt Ltd. on or before 10th of every month.
- h. In case of non-receipt of payment on the agreed date from M/s. INFOSYS LIMITED M/s. Maridi Eco Industries Pvt Ltd., will stop the collection of waste immediately with intimation to Karnataka State Pollution Control Board. The delayed payments will be collected with an interest of 18% per annum.
- i. M/s. Maridi Eco Industries Pvt Ltd shall comply with all applicable regulation and laws pertaining to collection and disposal of Bio-medical waste. M/s Maridi Eco Industries Pvt Ltd will issue Annual Certificate/ Destruction Certificate about BMW received from Infosys.
- j. M/s. Maridi Eco Industries Pvt Ltd shall not be responsible for disposal of any other waste apart from Bio Medical waste material. Infosys shall be responsible for sealing of the waste material and the body parts, if any, must accompany proper certification from appropriate authority.



Behavesh Kumar



- k. M/s. Maridi Eco Industries Pvt Ltd will issue a proof of waste collection from Infosys on a regular basis. This will help the individual organization for getting compliance with the Karnataka State Pollution Control Board.
- l. In the event Infosys finds any irregularities in collection and disposal of waste, Infosys may send a letter in writing to M/s. Maridi Eco Industries Pvt Ltd for immediate action.
- m. This Memorandum of understanding is entered into on the express understanding that M/s. Maridi Eco Industries Pvt Ltd will maintain and run the facilities and collect, transport and treat the waste at their plant strictly in accordance with the terms of the Karnataka State Pollution Control Board and it shall be their responsibility to obtain the consent and keep the same always valid.
- n. In case M/s INFOSYS LIMITED finds any irregularities in collection of waste, they can send a notice in writing to M/ s. Maridi Eco Industries Pvt Ltd. for immediate action.
- o. M/s Maridi Eco Industries Pvt Ltd. will maintain their plant in good running condition all the time and ensure continuity of service as per agreement with M/s INFOSYS LIMITED.
- p. M/s Maridi Eco Industries Pvt Ltd. will ensure all practices to safeguard health and safety of its employees is implemented

Legal Clause:

- a. The occupier and the operator of the facility shall liable to pay financial penalties as levied for any violation of the provisions under the rules BIO MEDICAL WASTE DISPOSAL by the state pollution control board. This Clause will apply only for the bio medical waste handed over to MARIDI by INFOSYS LIMITED with proper document.
- b. The occupier, transporter and the operator of the facility shall be liable for all the damages caused to the environment or third party due to improper handling/ transportation, disposal of the biomedical waste and pay financial penalties levied by the company for its storage and disposal to alternative vendor in case of violation of any laws or deliberate disposal. This is applicable only for the bio medical waste collected from M/s INFOSYS LIMITED by MARIDI with proper documentation.
- c. This Memorandum of understanding is entered into on the express of understanding that M/s Maridi Eco Industries Pvt Ltd. will maintain and run the facilities and collect, transport and treat the waste at their plant strictly in accordance with the consent of the Karnataka State Pollution Control Board and it shall be the responsibility to obtain/renew the consent and keep the same always current.
- d. Infosys or its authorized agent shall have the right to perform an environmental and safety audit at any site at which Agency is providing Services for the purpose of verifying environmental and safety procedures followed by Agency. If Infosys or its authorized agent is not satisfied with such environmental and safety procedures, it shall communicate the same to agency immediately. Agency shall thereupon take all steps to ensure safe, healthy and non-hazardous working environment to the satisfaction of Infosys within ten (10) working days of receiving such communication, failing which Infosys shall have to terminate this Agreement with immediate effect.
- e. All disputes to this understanding are subjected to the Jurisdiction of the court in Bangalore only.
- f. This Agreement is effective from 01.01.2017 to 31.12.2019 (Two Years).

M/s. Maridi Eco Industries Pvt Ltd

Marketing Manager



M/s. INFOSYS LIMITED

Authorized Signatory

Bhawesh Kumar



KSPCB/BMW/AGREEMENT/2017-19/01

January 04th, 2017

Karnataka State Pollution Control Board,
Bangalore South (Region - 1)
'Nisarga Bhavana' 2nd floor,
Thimmaiah road, 7th 'D' Main road, Shivanagar,
Opp. Pushpanjali Theatre,
Bangalore - 560010.
Phone: (O) 080 - 23221552.

Dear Sir/Madam,

Subject: Submission of Biomedical waste agreement renewal copy.

Ref. No.46. PCB/SEO/BNG-South/HCE/111550/2016-17/22 dated: 01-Aug-2016.

As per the Biomedical waste authorization condition, we herewith submit the renewed copy of our agreement copy with M/s. Maridi Eco Industries Pvt. Ltd. to handle the Biomedical waste. The agreement copy is renewed for 2 years effective from 01.01.2017 to 31.12.2019.

This is for your information and needful,

Yours faithfully,

For INFOSYS LIMITED

Bhawesh Kumar

BHAWESH KUMAR

REGIONAL HEAD - FACILITIES



Enclosure:

- Renewed agreement copy
- Authorization copy of Bio medical waste



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
Karnataka State Pollution Control Board

"ಪರಿಸರಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್‌ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

No. PCB/1120/BMW/2016 4807

Date: 18 DEC 2018

CORRIGENDUM

Sub:- Corrigendum to the CFO issued under Water (Prevention and Control of Pollution) Act 1974 and Air (Prevention and Control of Pollution) Act 1981 and authorization under Bio-Medical Rules, 2016 in respect of M/s. Maridi Eco Industries, (CBMWTF), Sy. No. 1/37 & 1/38, Kanakapura Road, 35th Milestone, Gabbadi Kaval, Harohalli, Kanakapura Tq., Ramanagar Dist. - reg.

- Ref:-**
1. Combined Consent order No. AW-303515, PCB Id: 22749, Dt: 29.08.2017.
 2. Authorization under Bio-Medical Rules, 2016 No: PCB/01/BMW-11/Reg. No. 145018/OB/227, dated: 18.06.2018.
 3. Representation submitted by CBMWTF to Board vide No. Maridi/KSPCB/HO/2018-19/0018, dated: 30.11.2018.

<<<<>>>>

The Board had issued CFO under Water (Prevention and Control of Pollution) Act 1974 and Air (Prevention and Control of Pollution) Act 1981 and authorization under Bio-Medical Rules, 2016 in respect of M/s. Maridi Eco Industries, (CBMWTF), Sy. No. 1/37 & 1/38, Kanakapura Road, 35th Milestone, Gabbadi Kaval, Harohalli, Kanakapura Tq., Ramanagar Dist. for the period upto 31.12.2018 vide ref (1) & (2) with a condition to shift the CBMWTF to new location with prior approval from competent authorities.

The CBMWTF authorities vide ref(3), have requested the Board to extend the validity of the CFO issued under Water (Prevention and Control of Pollution) Act 1974 and Air (Prevention and Control of Pollution) Act 1981 and authorization under Bio-Medical Rules, 2016 upto 31.12.2019 as they are in the process of obtaining Environmental Clearance (EC) for their newly proposed plant at Plot No. 312-A2 & 312-A2 (Part), 2nd Phase, Harohalli Industrial Area, Harohalli Village, Kanakapura Tq., Ramanagar Dist.

Further, the CBMWTF authorities have stated in their letter vide ref (3) that Public Hearing has been conducted on 19.11.2018 at scheduled project site in the presence of Additional District Commissioner, Ramanagar, Senior Environmental Officer (South) and Environmental Officer, Ramanagar and construction of the new project will commence once they obtain Environmental Clearance and Consent for establishment.

Considering the request made by the CBMWTF authorities and in addition to the proceedings of the CCM held on 09.01.2018 the following Corrigendum is issued. Hence, the order;

CORRIGENDUM

The Consent for Operation (CFO) issued under Water (Prevention and Control of Pollution) Act 1974 and Air (Prevention and Control of Pollution) Act 1981 and authorization under Bio-Medical Rules, 2016 in respect of M/s. Maridi Eco Industries, (CBMWTF), Sy. No. 1/37 & 1/38, Kanakapura Road, 35th Milestone, Gabbadi Kaval, Harohalli, Kanakapura Tq., Ramanagar Dist. is extended upto 31.12.2019.

All other terms and conditions mentioned in the CFO and authorization cited under ref (1) & (2) remain same and unaltered.

Sd/-
SENIOR ENVIRONMENTAL OFFICER

To,
The Authorized Signatory
M/s. Maridi Eco Industries, (CBMWTF),
Sy. No. 1/37 & 1/38, 35th Milestone
Kanakapura Road, Gabbadi Kaval, Harohalli,
Kanakapura Tq., Ramanagar Dist

Copy to:

1. Regional Officer, (Ramanagar) for information and necessary action.
- ~~2. Case file.~~


SENIOR ENVIRONMENTAL OFFICER
