

## Environment Health Risk Management Plan (EHRMP)

### Biotech Consortium of India Limited (BCIL)

**Proposal entitled:** Setting up of Technology Transfer Office TTO at BCIL

	<p>(i) Brief description of the proposed activity: To provide assistance in setting up/strengthening of Technology Transfer Offices under National Biopharma Mission of BIRAC by:</p> <ul style="list-style-type: none"> <li>• Providing integrated IP Management and Tech-transfer handholding support to Universities and Public Funded Research Institutes</li> <li>• Capacity building in Technology-Transfer through workshops and trainings</li> </ul>				
	<p>(ii) List of environment related regulatory clearances required for the activity: The activities are purely consultancy in nature. We do not require any environment-related regulatory clearances from Ministry of Environment, Forest and Climate Change or Central/ State Pollution Control Board.</p>				
<b>Institutional Arrangement</b>					
		<b>Yes</b>	<b>No</b>	<b>Details</b>	<b>Proposed Plan</b>
1.	Is there a designated full-time staff for Environment Health and Safety (EHS) issues?	Yes		Designated full time staff for Environment Health and Safety (EHS) is available  Shri Vineet Chhabra Deputy Manager	
2.	Does the EHS staff handle the following?				Environment Management Framework compliance for Innovate in India Project will be followed
	Occupational Health and Safety	Yes			
	Waste Management	Yes			
	List of consents and regulatory clearances		No		
	Record keeping of accidents and procedures	Yes			
	EHS trainings for staff		No		
	Environment Management Framework compliance for Innovate in India Project		No		
3.	Is there a reporting structure in place regarding EHS issues?	Yes		Describe: Reporting structure in place regarding EHS issues DM-AGM-CGM-MD	
4.	Are regular EHS trainings provided to staff?		No		
5.	Institutional Bio-Safety Committee (IBSC)		No		Requirement of IBSC does not apply to us as we do not have any wet lab facility or

## Environment Health Risk Management Plan (EHRMP)

### Biotech Consortium of India Limited (BCIL)

					recombinant DNA facility
6.	Ethics Committee (EC)		No		Being a consultancy organization, this point does not apply to us. Our present activities do not fall within the ambit of EC. Hence, no EC is in place.
<b>General Occupational Health and Safety</b>					
7.	Are there Standard Operating Procedures for accidents, hazards, and other emergencies (chemical spills, heat hazards, fire hazards, radioactive hazards etc.)?		No		This point does not apply to us as we are a consultancy organization and no hazards are anticipated.
8.	Are the following in place?				We are not an R&D organization or manufacturing organization. These provisions are not applicable to us. However, a first aid kit and fire extinguishers are in place.
	Chemical spill kits		No		
	Eye wash		No		
	Shower stations		No		
	First Aid Kit	Yes			
	Fire Extinguishers	Yes			
	Register of accidents and injuries		No		
9.	Are proper signage and storage system in place?				We are a consultancy organization and not a manufacturing unit / Factory. All these protocols do not apply to us  However, list of emergency numbers and procedures is displayed at critical place in office.
	Display of Material Safety Data Sheet (MSDS) where relevant		No		
	Display of emergency numbers and procedures (Person to Contact, Doctor, Ambulance, Fire Emergency, Police) displayed in all critical places		No		
	Signage across the facility (labs, storage, hazardous areas, etc.)		No		
	Are flammable materials appropriately stored to prevent fire hazards?		No		
10.	Are smoke detectors, fire alarms, automatic safety/shut off systems, overflow preventors, etc. in place and regularly maintained?		No		Nature of activities do not require elaborate fire safety equipments. However, two fire extinguishers are available in the office for emergency use.
11.	Are there control measures for VOC, air emissions, high operating temperatures, pathogens/vectors etc. in place?		No		We are a consultancy organization so this point does not apply to us

## Environment Health Risk Management Plan (EHRMP)

### Biotech Consortium of India Limited (BCIL)

12.	Are regular mock drills conducted for emergency preparedness and safety?		No		The nature of activities does not require regular Mock drills. The concerned staff/officers are informed by designated EHS officer time to time.	
13.	Are staff provided with OHS training?		No			
<b>Biomedical Waste (BMW)</b>						
14.	Is there generation of biomedical waste (as described in Bio-Medical Waste Management Rules, 2016) in the grantee?		No		Being a purely Consultancy organization, no Biomedical waste is being generated. Recent guidelines issued by Central Pollution Control Board in wake of CORONA pandemic for disposal of mask etc. for offices are being followed. The waste generated in the office includes waste papers, printed material, food waste etc.	
15.	Is there trained staff to handle biomedical waste in the grantee?		No		There is no requirement of trained staff as there is no Biomedical waste generated in the office.	
16.	Has the grantee obtained authorization from State Pollution Control Board /Pollution Control Committee?		No		No requirement for authorization as no Biomedical waste is generated.	
17.	Is the biomedical waste segregated at point of generation in the facility and stored in suitable containers?	Yes		Yellow	Yes	Recently, a yellow beg has been placed in the office for disposal of mask, etc. as per the guidelines issued by the CPCB.
				Red		
				White		
				Blue		
18.	Is the bar code system for the segregated waste in place?		No		Not required in view of waste generated	
19.	Is the biomedical waste being sent to an <b>authorized</b> common BMW facility?		No		Not required as no biomedical waste is generated.	

## Environment Health Risk Management Plan (EHRMP)

### Biotech Consortium of India Limited (BCIL)

20.	Does the grantee have an in-house BMW treatment facility?		No	Being a purely Consultancy organization, no Biomedical waste is being generated.
	Is the treatment facility own (individual)?		No	
	Is the treatment facility a shared facility in an industrial park?		No	
21.	Are lab waste, microbiological waste and chemical liquid waste pre-treated before storing and sending to treatment facilities according to guidelines prescribed in BWM, 2016 regulations?		No	We do not have any laboratories/manufacturing facility; hence this point does not apply to us.
22.	Is the liquid waste checked for active cells before sending to treatment plant?		No	We do not have any laboratories/manufacturing facility; hence this point does not apply to us.
23.	Are necessary waste pre-treatment equipment in place?		No	We are a consultancy organization. so this point not apply to us
	Do the equipment adhere to prescribed norms by State Pollution Control Board (SPCB)?		No	
24.	Are chlorinated plastic gloves and bags phased out in the grantee?		No	We are a consultancy organization so this point not apply to us
25.	Are grantee's personnel involved in handling BMW provided with regular training?		No	We are a consultancy organization so this point not apply to us

## Environment Health Risk Management Plan (EHRMP)

### Biotech Consortium of India Limited (BCIL)

26.	Are medical examination provided to personnel involved in BMW waste handling and are they provided with relevant immunization like Hepatitis B and Tetanus?	No		We are a consultancy organization so this point not apply to us
27.	Is a daily register for biomedical waste maintained including accident reporting record?	No		We are a consultancy organization so this point not apply to us
28.	Are annual reports on BWM submitted to SPCB as per required form (see Bio-Medical Waste Rules 2016)?	No		We are a consultancy organization so this point not apply to us
<b>Hazardous Waste (HW)</b>				
29.	Is there generation of hazardous waste (as per Hazardous Waste Rules, 2016) in the grantee?	No		Not a Laboratory or Research unit. We are a Consultancy organization and as such no Hazardous waste is being generated.  The waste generated in the office include waste papers, printed material, food waste, etc.
30.	Is there trained staff in the facility to identify and handle hazardous waste?	No		We are a Consultancy organization and as such no Hazardous waste is being generated.
31.	Does the grantee have authorization from SPCB for hazardous waste?	No		We are a Consultancy organization and as such no Hazardous waste is being generated.
32.	Is there a secure location for storage of HW with proper signage?	No		We are a Consultancy organization and as such no Hazardous waste is being generated.
	Are hazardous waste stored for more than 90 days in the grantee's premises?	No		
33.	Is the hazardous being send to an <b>authorized</b> disposal facility or user?	No		We are a Consultancy organization and as such no hazardous waste is being generated.
	Is the disposal facility in house?	No		
	Is the disposal facility external/outsourced?	No		
34.	Is a register maintained on production and treatment, and a	No		We are a consultancy organization, so this point does not apply to us.

## Environment Health Risk Management Plan (EHRMP)

### Biotech Consortium of India Limited (BCIL)

	manifest system followed for transport of hazardous waste from the grantee to treatment facility?				
<b>E-Waste and Batteries</b>					
35.	Does the grantee generate e-waste, produce or manufacture electrical and electronic equipment?	Yes			<p>Activities of BCIL do not generate E Waste on a regular basis. In rare instances (once in three years), obsolete computers, laptops, telephones etc. are disposed of by means of auction/ bidding to the existing staff members for their personal use.</p> <p>Alternatively, these are sent to E Waste Recycler authorized by the Govt.</p>
36.	Has the grantee obtained SPCB authorization on e-waste?		No		SPCB authorization is not required as no E Waste is generated on a regular basis.
37.	Does the grantee channelize the e-waste to <b>authorized</b> recycling or disposal facility?	Yes			E- waste will be sent to E Waste Recycler authorized by the Govt.
38.	Does the manufacturing grantee have Extended Producer Responsibility system and EPR-authorization in place?		No		It is not applicable to us.
39.	Does the grantee practice reduction in the usage of hazardous substances in the manufacture of electrical and electronic equipment and its parts?		No		We are a consultancy organization, so this point does not apply to us.
40.	Does the grantee provide detailed information on the constituents of the equipment and their components/spares and declaration of conformation to Reduction in Hazardous Substances in the product user documentation?		No		We are a consultancy organization, so this point does not apply to us.

## Environment Health Risk Management Plan (EHRMP)

### Biotech Consortium of India Limited (BCIL)

41.	Does the grantee maintain a record of collection, storage, sale and transport of e-waste?		No		We are a consultancy organization, so this point does not apply to us.
42.	Does the grantee submit annual reports on e-waste to SPCB?		No		We are a consultancy organization, so this point does not apply to us.
43.	Is there accident reporting and records in place?		No		We are a consultancy organization, so this point does not apply to us.
44.	Are PPEs available to staff?		No		We are a consultancy organization, so this point does not apply to us.
45.	Is the grantee involved in manufacture of batteries?		No		We are a consultancy organization, so this point does not apply to us.
46.	Does the grantee generate battery waste?	Yes			Battery waste in the office facility is limited to batteries in the UPS for computers and servers. The used batteries are returned to the vendor in exchange of new ones.
47.	Does the grantee deposit the battery waste to <b>registered</b> recycler/dealer/manufacturer/reconditioned/collection center?	Yes			The used batteries are returned to the vendor in exchange of new ones.
48.	In case of manufacturing, does the grantee comply to Battery Management Rules 2000 and ensure collection of old batteries?		No		We are a consultancy organization, not a manufacturing unit, so this point does not apply to us.
<b>Community Health and Safety and risk mitigation</b>					
49.	Safety Transportation Management System (for transport Of hazardous material)		No		We are a Consultancy organization and do not deal in Radioactive materials. We do not pose any kind of Risk whatsoever to the Health and safety of the Community at large.
50.	Emergency preparedness and participation of local authorities and potentially affected communities		No		We are a consultancy organization, so this point does not apply to us
<b>Others</b>					
51.	Does the grantee use any radioactive materials (isotopes tracers, radiation equipment, etc)?		No		We are a consultancy organization, so this point does not apply to us. We do not use any radioactive materials.
	Does the grantee have appropriate radioactive material and waste storage and disposal system in place?		No	Describe:	We are a consultancy organization so this point not apply to us
	Are radioactive warning signs in		No		This point is not applicable to us as

## Environment Health Risk Management Plan (EHRMP)

### Biotech Consortium of India Limited (BCIL)

	place?				we are not using any radioactive material.
52.	Is the lab/room air regularly checked for microbial contamination?		No		We are a consultancy organization, so this point does not apply to us
53	Are there any odor control measures in place?		No		We are a consultancy organization, so this point does not apply to us
54.	Are fume hoods and exhausts regularly checked and maintained?		No		We are a consultancy organization, so this point does not apply to us
55.	Does the grantee use DG set > 15 KVA?		No	Not more than 15KVA	
	Does the grantee have consent for DG > 15 KVA?		No		
	Are emissions from boilers and DG sets regularly monitored to be within the prescribed norms?		No		
56.	Does the grantee have proper disposal process for solid and plastic waste in compliance to Solid Waste Management Rules, 2016 and Plastic Waste Management Rules, 2016?		No		Separate bins are in place in office for disposal of biodegradables, including plastic and domestic waste.
57.	Is wastewater treated separately by the grantee? (Liquid waste from laboratory, chemicals, fluids, solvents, medium and cultures, coolants, etc.)		No		We are a consultancy organization, so this point does not apply to us
	Are there sludge management and cut off drains in place for wastewater?		No		We are a consultancy organization so this point does not apply to us
58.	Are necessary provisions for noise cancellation in place?		No		We are a consultancy organization so this point does not apply to us
59.	Are there any settlements, water bodies, cultivated land, or any other eco-sensitive areas near the grantee's premises?		No		
60.	Are there any buffers, fire vehicle routes in the grantee's premises?	Yes			Yes, the office is located on 60-meter-wide main road. So, approachability for fire tenders or other vehicle movements is very easy.