JC OrthoHeal Private Limited

Proposal entitled: Evaluation of FlexiOH in emergency settings

1. Institutional Arrangements

- Brief description of the proposed activity: We have manufacturing unit where we do Liquid silicone rubber injection moulding, assembling of parts i.e. glue pasting and filling of resin inside silicone shell. After QC we do sealing and packaging of finished goods.
- (ii) List of environments related regulatory clearances required for the activity. we will obtain all the applicable environment permissions as per rules

	Institutional Arrangement							
Area	of Risk	Yes	No	Details	Proposed Plan			
1.	Is there a designated full-time staff for Environment Health and Safety (EHS) issues?		V	leaders.	designated person for health and safety issue			
2.	Does the EHS staff handle the following?			We have designed eachTh manufacturing process _{Wi}	will be trained as per			
	Occupational Health and Safety	\checkmark		considering employee	the Environment			
	Waste Management	\checkmark		safety, environmental	Health and Safety			
	List of consents and regulatory clearances Record keeping of accidents and	ব		safety. i.e. before executing any new manufacturing	(EHS) Rules.			
	procedures	V		process we duly train				
	EHS trainings for staff			process we duly train engaged staff to execute in safe method, use of safety equipment and keep support in standby while executing high risk activity (for example changing mould or machine maintenance)				
	Environment Management Framework compliance for Innovate in India Project				We will comply to Environment Management Framework compliance for Innovate in India Project			
3.	Is there a reporting structure in place regarding EHS issues?			establishing manufacturing process,	Once process is put in place we will go for Standard documentation and reporting structure for the same.			
4.	Are regular EHS trainings provided to staff?	Ø			This will be regularly followed by ensuring			

Gene	ral Occupational Health and Safety			manufacturing. Apart from that we regularly supervise process to ensure safety measures taken by labors or not. Frequency: one thorough demonstration an training given for standard safety measures Quarterly, If any new Team member or worker is replaced then duty is allotted after 1 week observation is done.	requirements.
	Area of Risk	Yes	No	Details	Proposed Plan
5.	Are there Standard Operating Procedures for accidents, hazards, and other emergencies (chemical spills, heat hazards, fire hazards, radioactive hazards etc.)?			We have some standard process established while others we are in process.	Display of Procedures
	Are the following in place?			Designated place has been	
	Chemical spill kits		\checkmark	mentioned and marked for	
	Eye wash		\checkmark	all the things as per ISO	will be maintained as per the Institute's
	Shower stations		\checkmark	norms.	guidelines for
	First Aid Kit	\checkmark			Environment Health
	Fire Extinguishers	\checkmark			and Safety (EHS).
	Register of accidents and injuries	\checkmark			
	Are proper signage and storage system in place?			All procedural SOPs are	
	Display of Material Safety Data Sheet	V		available for the desired requirements.	regularly updated/ replaced while
	(MSDS) where relevant			requirements.	carrying out
	Display of emergency numbers and	\checkmark			maintenance.
	procedures (Person to Contact, Doctor,				
	Ambulance, Fire Emergency, Police)				
	displayed in all critical places				
	Signage across the facility (labs,	\square			
	storage, hazardous areas, etc.)	V		4	
	Are flammable materials appropriately stored to prevent fire hazards?	L.			
	Are smoke detectors, fire alarms,	$\overline{\mathbf{N}}$		We have standard process	These would be
	automatic safety/shut			to shut off and on in proper	regularly maintained.
	off systems, overflow preventers, etc.			sequel to prevent any	
	in place and regularly maintained?			accidents.	
	Are there control measures for VOC, air emissions, high operating		\checkmark	We are not generating VOC, air emissions, high	
	temperatures, pathogens/vectors etc. in			operating temperatures,	
	place?			pathogens/vectors etc so	
	L			this is not applicable	
	Are regular mock drills conducted for		\checkmark		This facility will be
	emergency preparedness and safety?				prepared and schedule
					mock drills will be

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				monitored by an
1.1				appointed officer.
11.	Are staff provided with OHS training?	\checkmark		We provide task specific A proper process of
				safety measures tomore formalized way executing person for training will be put
	Diamadical Waste (DMW)			in place.
-	Biomedical Waste (BMW)	x 7	h . 7	
	Area of Risk	Yes		Details Proposed Plan
12.	Is there generation of biomedical waste		$\mathbf{\nabla}$	1. Waste silicone Any BMW generated
	(as described in Bio-Medical Waste			rubber, curedwill be treated
	Management Rules, 2016) in the			silicone rubberadhering to Bio-
	grantee?			produced duringMedical Waste
				moulding process.Management Rules,
				We keep it stored2016.
				and sell it to
				recycling agency
				who can sell it to
				other rubber
				industries. Wate
				production is less than 1%
				2. Waste Resin – is
				photo curable resin material that we
				used inside
				FlexiOH, waste
				resin is not suitable
				for FlexiOH use
				but can be use for
				adhesive purpose.
				So we are storing it
				if we find other
				industry interested
				to purchase and
				wastage is very less
				(<0.25%)
13.	Is there trained staff to handle		\checkmark	No Biomedical Waste is Will plan for the
	biomedical waste in the grantee?			generated and so notraining as and when
				specific training is given needed during the
				ongoing Project.
	Has the grantee obtained authorization		$\mathbf{\nabla}$	
	from State Pollution Control Board			bio medical waste so this isabout the status and
	Pollution Control Committee?			not applicable to us. seek approvals of the
				necessary authorities
				as and when required.

15.	Is the biomedical waste segregated at point of generation in the facility and stored in suitable containers?		Yes, we keep all waste This is an ongoing which can be reused or process which will be recycled, in container and followed throughout designated space. the Project.
16.	Is the bar code system for the segregated waste in place?		We are not generating any Will ensure a proper bio medical waste so this issystem is in place not applicable to us adhering to BMW Act during the Project if needed.
	Is the biomedical waste being sent to an authorized common BMW facility?		We do not generate Will propose a plan biomedical waste and provide a facility if needed during the Project.
18.	Does the grantee have an in-house BMW treatment facility? Is the treatment facility own (individual)? Is the treatment facility a shared facility in an industrial park?	2 2	We do not generate Will ensure a proper biomedical waste system is in place adhering to BMW Act during the Project if needed.
19	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?		We do not generate Will ensure biomedical waste compliance of the BMW, 2016 Regulations as and when required.
20.	Is the liquid waste checked for active cells before sending to treatment plant?		We do not generate biomedical waste
21.	Are necessary waste pre-treatment equipment in place? Do the equipment adhere to prescribed norms by State Pollution Control Board (SPCB)?	2	We do not generate Will adhere to the biomedical waste. prescribed norms by State Pollution Control Board wherever required.
22. 23.	Are non-chlorinated plastic gloves and bags phased out in the grantee? Are grantee's personnel involved in handling BMW provided with regular training?		We do not generate biomedical waste

24.	Are medical examination provided to personnel involved in BMW waste handling and are they provided with relevant immunization like Hepatitis B and Tetanus?			Given that we do not produce BMW, we do not provide these facilities.	Will ensure that this is being provided to the person responsible for handling the BMW as and when employed during the Project.
25.	Is a daily register for biomedical waste maintained including accident reporting record?		Ŋ		In case the need arises, we will maintain the record.
26.	Are annual reports on BWM submitted to SPCB as per required form (see Bio- Medical Waste Rules 2016)?		Ø		Will adhere to the requirement of SPCB if needed in future.
Haz	ardous Waste (HW)				
	Area of Risk	Yes	No	Details	Proposed Plan
27.	Is there generation of hazardous waste (as per Hazardous Waste Rules, 2016) in the grantee?		V	No any hazardous waste generated from manufacturing process	If case any hazardous waste is generated as per rules it will be followed.
28.	Is there trained staff in the facility to identify and handle hazardous waste?			We have trained staff to standard material handling process.	
29.	Is the hazardous being send to an authorized disposal facility or user?		☑		Timely renewals of the existing contract
	Is the disposal facility in house?		\checkmark		with the agency will
	Is the disposal facility external/outsourced?	V		compressor, Molding machine, if any kind of waste generated from that shall be taken care by maintainance agency.	,
E-W	aste and Batteries	1	-		1
	Area of Risk	Yes	No	Details	Proposed Plan
31.	Does the grantee generate e-waste, produce or manufacture electrical and electronic equipment?		Ø	We have assembling for component and circuits which are manufactured by our vendors. We do not have any process in which E-waste is generated. As of now we do not dispose any faulty equipment or returned equipment that is	our Vadodara municipal corporation designated facility for e-waste disposal.

40	Are PPEs available to staff?	N		We have provided The stock status of
39.	Is there accident reporting and records in place?			We have event register to Accident reporting record accidental events. and recording mechanism will be reviewed and maintained.
	Does the grantee submit annual reports on e-waste to SPCB?			Our facility will not generate e waste because we are not manufacturing electronic components
37.	Does the grantee maintain a record of collection, storage, sale and transport of e-waste?		V	We will maintain the This is an ongoing record once the e waste is process and will be being generated carried on throughout the Project.
36.	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?			Our facility will not generate e waste because we are not manufacturing electronic components
35.	1	Z		We have integrated onlyWill continue to RoHS compliantmaintain and follow components in ourthis throughout the electronics system. Project.
34.	Does the manufacturing grantee have Extended Producer Responsibility system and EPR-authorization in place?		Ø	
	Has the grantee obtained SPCB authorization on e- waste? Does the grantee channelize the e- waste to authorized recycling or disposal facility?	M	Ø	in future we will dispose e waste to our Vadodara municipal corporation collecting e waste in smart city project designated facility for e-waste disposal. Our facility will not generate If any permission e waste because we are not required in this will be manufacturing electronic obtained components Vadodara Manipal Vadodara Manipal corporation has e-waste followed by the management system, we grantee throughout the Project.

41.	Does the grantee generate battery waste?	V		Old batteries from UPS	done in time to avoid any situation of stock out.
	Does the grantee deposit the battery waste to registered recycler/dealer/manufacturer/ re conditioner /collection center?	Ø			As of now we do not have any battery waste form our electronics devices, but in future if waste is generated, we will dispose it to registered recycler
Othe			-	1	
	Area of Risk	Yes			Proposed Plan
43.	Does the grantee use any radioactive materials (isotopes tracers, radiation equipment, etc)? Does the grantee have appropriate		N	We don't have any radioactive materials in our activity We don't have any	
	radioactive material and waste storage and disposal system in place? Are radioactive warning signs in place?			radioactive materials in our activity We don't have any	
				radioactive materials in our activity	
44.	Are there any odor control measures in place?				Proper measures will be put in place with Periodic cleaning and maintenance as and when required.
45.	Are fume hoods and exhausts regularly checked and maintained?	Z		maintained	Periodic checks will be done and fume extractors will be maintained.
46.	Does the grantee use DG set > 15 KVA? Does the grantee have consent for DG		N	We are not using DG set's but we use UPS for backup	
	> 15 KVÅ? Are emissions from boilers and DG sets regularly monitored to be within the prescribed norms?		V		
47.				We have developed process to store and recycle solid waste generated due to manufacturing process of FlexiOH Apart from that, we follow municipality guideline for segregation of general waste and give it to daily collection system	and monitored by concerned Department.

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48.	Is wastewater treated separately by the		\checkmark	We don't have waste water	Periodic checks will
	grantee? (Liquid waste from			waste generated in process.	be done and the
	laboratory, chemicals, fluids, solvents,				treatment plant shall
	medium and cultures, coolants, etc.)				be maintained
	Are there sludge management and cut		\checkmark	We don't have waste water	•
	off drains in place for wastewater?			waste generated in process	
49.	Are necessary provisions for noise				Will keep reviewing
	cancellation in place?			noise from our activity	the noise generated
					and cap them
					according to the
					existing cancellation
					provisions.
50.	Are there any settlements, water		V	No Eco-sensitive areas	
	bodies, cultivated land, or any other			near the factory premises	
	eco-sensitive areas near the grantee's				
	premises?				
51.	Are there any buffers, fire vehicle	$\mathbf{\nabla}$		fire vehicle routes is	Will maintain these
	routes in the grantee's premises?			available	facilities throughout
					the project.

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Notwithstanding the above other risk (relevant to the project activities) that will be identified in the course shall be addressed as per standard mitigation monitoring parameters and manner of records keeping shall be in accordance to the recommendations of the project monitoring committee on subject experts engaged by BIRAC.