Society for Health Allied Research and Education India (SHARE INDIA)

Proposal entitled Harnessing a population-based cohort for an epidemiological study on Dengue and Chikungunya and drive capacities to conduct clinical Trials,

1. Institutional Arrangements

- (i) Brief description of the proposed activity This is an epidemiological project where in the incidence and seroprevelance of dengue and chikungunya in a sample population is being assessed. There is no intervention being given, however some blood samples will be collected for doing serological tests for the study.
- (ii) List of environments related regulatory clearances required for the activity. This project will need some of the regulatory clearances like the state pollution control board and biomedical waste management clearances (which already exist with the medical college we are partnering with). These clearances are keeping in mind the collection of biological specimens (blood) and the waste generated during this process.

	Institutional Arrangement							
		Yes	No	Details	Proposed Plan			
	Is there a designated full-time staff for Environment Health and Safety (EHS) issues?		NO	time staff for EHS. However,	Based on the Project requirement a Consultant will be hired on need basis			
2.	Does the EHS staff handle the following? Occupational Health and Safety Waste Management List of consents and regulatory clearances Record keeping of accidents and procedures EHS trainings for staff Environment Management Framework compliance for Innovate in India Project		NO NO NO NO NO Yes	Will comply with the NBM BIRAC environment framework	Based on the Project requirement a Consultant will be hired on need basis			
	Is there a reporting structure in place regarding EHS issues?		NO	Describe:	This structure will be put in place contingent to clinical trials and consultation with BIRAC in future.			
4.	Are regular EHS trainings provided to staff?		NO	Frequency:	This will be done contingent to clinical			

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	T		ı		T
					trials and consultation
					with BIRAC in
					future.
5.	Institutional Bio-Safety Committee (IBSC)		NO		Biosafety committee
					is not existing at
					SHARE INDIA
					currently.
					If required contingent
					to clinical trials and
					consultation with
					BIRAC in future will
					be put in place
6.	Ethics Committee (EC)	Yes		All research	There are currently 6
	, ,				external members of
				<u> </u>	the total 15 members
				are submitted for	
					Committee.
				MediCiti Ethics	
					meets on a monthly
					basis and as and when
					it is required for with
				_	an advanced notice.
				affiliate Mediciti	an advanced notice.
				institute of	
				medical sciences	
				(MIMS)	
	General Occupati	onal	L Healt	,	
7.	Are there Standard Operating Procedures			Most of these	However, in
	for accidents, hazards, and other			requirements are	1
	emergencies (chemical spills, heat hazards,				BIRAC if these are
	fire hazards, radioactive hazards etc.)?			service delivery	
	ine nazaras, radioaetive nazaras etc.).				INDIA can consider
				SHARE INDIA	
				is not a	it in ruture
				healthcare service	
				delivery	
				organization.	
				Currently we	
				have a SOP for	
				fire hazards.	
8.	Are the following in place?			mi maanus.	Except for the fire
[Chemical spill kits		NO	1	extinguishers and
	Eye wash		NO	1	first aid kit, all the
	Shower stations		NO	1	other things are not
	onower stations		μ 1 Ο	1	smile and not

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First Aid Kit	YES	required as SHARE
Fire Extinguishers	YES	INDIA is not a
Register of accidents and injuries	NO	healthcare service
		delivery organization
		or lab.

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9.	Are proper signage and storage system in place?	NO	О		These processes are more relevant to
	Display of Material Safety Data Sheet (MSDS) where relevant	N	С		healthcare organizations like
	Display of emergency numbers and procedures (Person to Contact, Doctor, Ambulance, Fire Emergency, Police) displayed in all critical Places	N	О		hospitals or laboratories. SHARE INDIA is a Not for profit organization
	Signage across the facility (labs, storage, hazardous areas, etc.)	N	О		
	Are flammable materials appropriately stored to prevent fire hazards?	NO	О		
10.	Are smoke detectors, fire alarms, automatic safety/shut off systems, overflow preventors, etc. in place and regularly maintained?	NO	O L	ist:	These are more relevant to laboratory or a hospital and are not relevant to SHARE INDIA
11.	Are there control measures for VOC, air emissions, high operating temperatures, pathogens/vectors etc. in place?	N	O L	ist:	SHARE INDIA does not produce any of these emissions or high temperatures
12.	Are regular mock drills conducted for emergency preparedness and safety?	N		requency (type vise):	SHARE INDIA is not a place of healthcare delivery or laboratory and this is not relevant to it
13.	Are staff provided with OHS training?	NO	O D	Describe:	
	Biomedical Wast	e (BMW	<u>')</u>		
14.	Is there generation of biomedical waste (as described in Bio-Medical Waste Management Rules, 2016) in the grantee?	Yes	la us ca bl co fi ho th	sed for point of are testing and lood sample ollection in the leld at the ousehold level of the participants will	will be done in their respective containers to the Mediciti Institute of Medical

	there trained staff to handle biomedical waste the grantee?	YES		
16. Ha Sta	· ·	YES	MIMS has obtained the authorization	
ger	the biomedical waste segregated at point of neration in the facility and stored in suitable ntainers?	YES	Yellow YES Red YES White YES Blue YES	Compliance with the regulations of the biomedical waste management rules for biomedical waste segregation, storage and disposal are monitored by Housekeeping in charge
	the bar code system for the segregated waste place?	YES	The BMW agency provides the barcoded bags which are used for segregation	
	the biomedical waste being sent to an thorized common BMW facility?	YES	Name and address of CBMWF: Roma Industries 12-225, Adarshnagar IDPL Colony, Qutbullapur, R.R. District – 500037 Distance from facility: About 15 kilometers Frequency and Mode of transport: Daily – Closed Van Who transports? Roma Industries	,

	Does the grantee have an in-house BMW treatment facility?	NO	INDIA uses the	The facility where the BMW management is
	Is the treatment facility own (individual)? Is the treatment facility a shared facility in an industrial park?	NO	BMW generated and MIMS does not have in-house BMW treatment Authorization: Distance of nearest	done is in the same campus where SHARE INDIA is located, it will be done at MIMS> The address of the facility is MIMS, Ghanpur Village, Medchal Mandal, Medchal District, Telangana 501401.
	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?	YES	Types of treatment: As per the SOPS of MediCiti Institute of Medical Sciences (MIMS)	Compliance calendar shall be maintained
22.	Is the liquid waste checked for active cells before sending to treatment plant?	YES	As per the SOPS of MediCiti Institute of Medical Sciences (MIMS)	Regular monitoring shall be undertaken
	Are necessary waste pre-treatment equipment in place?	Yes	List of equipment: Autoclaves,	The pretreatment will be done as per the SOPS of the MIMS
	Do the equipment adhere to prescribed norms by State Pollution Control Board (SPCB)?	Yes		which are mentioned and also as per the BMW management
	Are chlorinated plastic gloves and bags phased out in the grantee?	Yes	This is taken care by Roma Industries – Roma Industries 12-225,	

		Adarshnagar, IDPL Colony, Qutbullapur, R.R. District – 500037 This agency provides the biomedical waste management services after segregation and collection from MIMS	
Are grantee's personnel involved in handling BMW provided with regular training?	Yes	Refreshers will be provided once in six months	The Field staff and lab technician of SHARE INDIA will be trained at the start of the project,
Are medical examination provided to personnel involved in BMW waste handling and are they provided with relevant immunization like Hepatitis B and Tetanus?	Yes	Frequency of medical examination: Once is six months This is being done for the MIMS staff	
Is a daily register for biomedical waste maintained including accident reporting record?	Yes	Daily register is being maintained of the waste generated (weight).	
Are annual reports on BWM submitted to SPCB as per required form (see Bio-Medical Waste Rules 2016)?	Yes	As per the requirements of the SPCB.	This practice will be checked periodically.

Hazardous Waste (HW) – SHARE INDIA in consultation with NBM will consider these to be implemented in future

Hazardo	generation of hazardous waste (as per ous Waste Rules, 2016) in the grantee?	No	If Yes, provide a list hazardous wa produced in the facil If No, provide a list of all waste produced the facility.	ste not and will not ity generate any hazardous waste of in
implemente				
30. Does the manufacter equipme				SHARE INDIA does not manufacture electrical equipment or generate significant e-waste. However, for the very minimal amount of e-waste generated if required SHARE INDIA will implement certain process for it in consultation with BIRAC.
31. Has the on e-wa	grantee obtained SPCB authorization ste?	NO		SHARE INDIA does not fall under the ambit of SPCB requirement
authori	ne grantee channelize the e-waste to zed recycling or disposal facility?		Name and address of disposal facility/recycler: Inhouse outsourced Facility:	relevant to SHARE IDNIA, however if it is required in the future it can be implemented in consultation with BIRAC
33. Is there place?	e accident reporting and records in	No		This is not relevant to SHARE INDIA

34.	Are PPEs available to staff?	No		Not relevant to SHARE INDIA as it does not provide healthcare services or does lab activities.
35.	Is the grantee involved in manufacture of batteries?	No		SHARE INDIA does not manufacture batteries
36.	Does the grantee generate battery waste?	No		SHARE INDIA does not generate battery waste
	Does the grantee deposit the battery waste to registered recycler /dealer /manufacturer /reconditioner /collection center?			9
	mmunity Health and Safety and risk mitigation		.	
38.	Safety Transportation Management System (for transport Of hazardous material)	YES	syringes, vacutainers used for blood sample collection in the field are transported in	periodically with

39.	Emergency preparedness and participation of local authorities and potentially affected communities	Yes	individuals in the community, local	community health workers and community leaders will be informed to inform about any issues that can affect the
		Other	<u> </u>	
40.	Is the lab/room air regularly checked for microbial contamination?	Yes	These are done at the MediCiti Institute of Medical Sciences where SHARE INDIA lab work is done	
41.	Are there any odor control measures in place?	Yes	These are done at the MediCiti Institute of Medical Sciences where SHARE INDIA lab work is done	Periodic cleaning will be done

42.	Are fume hoods and exhausts regularly checked and maintained?	Yes	These are done at the MediCiti Institute of Medical Sciences where SHARE INDIA lab work is done	
43.	Does the grantee use DG set > 15 KVA?	Yes		
	Does the grantee have consent for DG > 15 KVA?	Yes		
	Are emissions from boilers and DG sets regularly monitored to be within the prescribed norms?	Yes		
	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?	Yes	The solid waste (including plastic waste) in the facility and campus is segregated and disposed as per the current rules.	
45.	Is wastewater treated separately by the grantee? (Liquid waste from laboratory, chemicals, fluids, solvents, medium and cultures, coolants, etc.)	Yes	Types of wastewater: Treatment of wastewater: Sewerage Treatment Plant (STP) Capacity 50 KL Chemical management in wastewater treatment plants:	
	Are there sludge management and cut off drains in place for wastewater?	Yes	The campus has sludge management and drains present	1
	Are there any settlements, water bodies, cultivated land, or any other eco-sensitive areas near the grantee's premises?	Yes	Describe: Distance from premises:	SHARE INDIA is located close to a village and cultivable lands;

				and gene haza	ever, it do will rate rdous oactive wa	not any or
48.	Are there any buffers, fire vehicle routes in the grantee's premises?	Yes	Proper metal available,		e will gh provis	
	6		separate route		ing or spa	

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.