

**Annexure-3**

**Cruise Schedule of Sagar Nidhi from April 2021 to March 2022**

*(Ship time allotment: 222 Days)*

Institute/ Group	Principal Investigator	Nature of Job	Allotment		No. of Days	Area of operation	Embarkati on	Disembarkat ion
			From	To				
<b><i>OOS-NIOT: RAMA cruise was originally allotted in Sagar Nidhi during April 2021. However, it was transferred to Sagar Kanya during June 2021 since NOAA PMEL RAMA team is not able to travel due to COVID-19 Pandemic during April 2021 as informed by Dr.R.Venkatesan</i></b>								
DST-NIOT	Dr.S.Ramesh	Manned Submersible Qualification of Personnel Sphere	04-05-2021	20-05-2021	17	BoB	Chennai	Chennai
<i>DST/VMC</i>	<i>Cruise Preparation</i>		<i>21-05-2021</i>	<i>25-05-2021</i>	<i>5</i>	<i>Chennai Port</i>		
<i>NIOT</i>	<i>Steaming to Shipyard/Preparatory activities</i>		<i>26-05-2021</i>	<i>01-06-2021</i>	<i>7</i>	-	-	-
<i>NIOT</i>	<i>Dry-dock and Afloat Repairs</i>		<i>02-06-2021</i>	<i>31-07-2021</i>	<i>60</i>	-	-	-
<i>NIOT</i>	<i>Steaming from Shipyard</i>		<i>01-08-2021</i>	<i>07-08-2021</i>	<i>7</i>	-	-	-
OOS	<i>Cruise Preparation</i>		<i>08-08-2021</i>	<i>11-08-2021</i>	<i>4</i>	<i>Chennai Port</i>		
OOS-NIOT	Dr.R.Venkatesan	RAMA: Deployment retrieval and maintenance of Buoys	12-08-2021	10-09-2021	30	IO	Chennai	Goa
<i>OOS/EFW</i>	<i>Cruise Preparation</i>		<i>11-09-2021</i>	<i>16-09-2021</i>	<i>6</i>	<i>Goa Port</i>		
EFW-NIOT	Dr.Purnima Jalihal	Setting up of 1000m <sup>3</sup> /day OTEC desalination Plant	17-09-2021	20-09-2021	4	AS	Goa	Goa
<i>EFW/OOS</i>	<i>Cruise Preparation</i>		<i>21-09-2021</i>	<i>26-09-2021</i>	<i>6</i>	<i>Goa Port</i>		
OOS-NIOT	Dr.R.Venkatesan	MOON: Deployment retrieval and maintenance of Buoys	27-09-2021	20-10-2021	24	AS	Goa	Mangaluru
<i>OOS/DST</i>	<i>Cruise Preparation</i>		<i>21-10-2021</i>	<i>25-10-2021</i>	<i>5</i>	<i>Mangaluru Port</i>		
DST-NIOT	Dr.S.Ramesh	Mining System Pumping Trails	26-10-2021	08-11-2021	14	AS	Mangaluru	Chennai
<i>DST</i>	<i>Cruise Preparation</i>		<i>09-11-2021</i>	<i>14-11-2021</i>	<i>6</i>	<i>Chennai Port</i>		
DST-NIOT	Dr.S.Ramesh	Sea Acceptance Test of Autonomous Underwater Vehicle	15-11-2021	12-12-2021	28	BoB	Chennai	Chennai
<i>DST</i>	<i>Cruise Preparation</i>		<i>13-12-2021</i>	<i>18-12-2021</i>	<i>6</i>	<i>Chennai Port</i>		

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<b>DST-NIOT</b>	<b>Dr.S.Ramesh</b>	<b>Manned and unmanned Vehicle</b>	<b>19-12-2021</b>	<b>07-01-2022</b>	<b>20</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>DST/INCOIS</i>	<i>Cruise Preparation</i>		<i>08-01-2022</i>	<i>12-01-2022</i>	<i>5</i>	<i>Chennai Port</i>		
<b>INCOIS</b>	<b>Mr.N.Suresh Kumar</b>	<b>SAIC: Deployment retrieval and maintenance of Tsunami Buoys</b>	<b>13-01-2022</b>	<b>11-02-2022</b>	<b>30</b>	<b>AS, BoB</b>	<b>Chennai</b>	<b>Tuticorin</b>
<i>INCOIS/OOS</i>	<i>Cruise Preparation</i>		<i>12-02-2022</i>	<i>16-02-2022</i>	<i>5</i>	<i>Tuticorin Port</i>		
<b>OOS-NIOT</b>	<b>Dr.R.Venkatesan</b>	<b>MOON: Deployment retrieval and maintenance of Buoys</b>	<b>17-02-2022</b>	<b>12-03-2022</b>	<b>24</b>	<b>BoB</b>	<b>Tuticorin</b>	<b>Chennai</b>
<i>OOS/DST</i>	<i>Cruise Preparation</i>		<i>13-03-2022</i>	<i>17-03-2022</i>	<i>5</i>	<i>Chennai Port</i>		
<b>DST-NIOT</b>	<b>Dr.S.Ramesh</b>	<b>Mining System Nodule collection and Pumping Trails</b>	<b>18-03-2022</b>	<b>17-04-2022</b>	<b>31</b>	<b>CloB</b>	<b>Chennai</b>	<b>Chennai</b>

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**Cruise Schedule of Sagar Manjusha from April 2021 to March 2022**

*(Ship time allotment: 211 Days)*

Institute/ Group	Principal Investigator	Nature of Job	Allotment		No. of Days	Area of operatio n	Embarka tion	Disemba rkation
			From	To				
NCSCM	Prof.R.Ramesh	Climate Change and Nutrient Flux	01-04-2021	10-04-2021	10	BoB	Chennai	Kolkata
<i>Cruise Preparation</i>			11-04-2021	14-04-2021	4	<i>Kolkata Port</i>		
INCOIS	Dr.Satyaprakash	Bio-Geo Chemical Survey for Coastal Monitoring	15-04-2021	25-04-2021	11	BoB	Kolkata	Paradip
<i>Cruise Preparation</i>			26-04-2021	29-04-2021	4	<i>Paradip Port</i>		
IIT Madras	Dr.P.Shanmugam	Modeling & Characterization of underwater optical properties	30-04-2021	04-05-2021	5	BoB	Paradip	Chennai
<i>Cruise Preparation</i>			05-05-2021	06-05-2021	2	<i>Chennai Port</i>		
NIOT	Steaming to Shipyard/Dry-dock Preparation		07-05-2021	14-05-2021	8			
NIOT	Dry-Dock and Afloat Repairs		15-05-2021	13-07-2021	60			
NIOT	Steaming from Shipyard		14-07-2021	21-07-2021	8			
<i>Cruise Preparation</i>			22-07-2021	25-07-2021	4	<i>Chennai Port</i>		
MBT-NIOT	Dr.G.Dharani	Inventorization of Novel Eukaryotic & Prokaryotic Microbial Signature	26-07-2021	04-08-2021	10	BoB	Chennai	Port Blair
<i>Cruise Preparation</i>			05-08-2021	08-08-2021	4	<i>Port Blair Port</i>		
MBT-NIOT	Dr.G.Dharani	Inventorization of Novel Eukaryotic & Prokaryotic Microbial Signature	09-08-2021	18-08-2021	10	BoB	Port Blair	Chennai
<i>Cruise Preparation</i>			19-08-2021	22-08-2021	4	<i>Chennai Port</i>		
Annamalai University	Dr.A.Saravana Kumar	Carbon dynamics in near shore waters of BoB/IO	23-08-2021	06-09-2021	15	BoB	Chennai	Chennai
<i>Cruise Preparation</i>			07-09-2021	10-09-2021	4	<i>Chennai Port</i>		
MBT-NIOT	Dr.G.Dharani	OSTI-OSMART & DOM	11-09-2021	25-09-2021	15	BoB/IO	Chennai	Chennai
<i>Cruise Preparation</i>			26-09-2021	30-09-2021	5	<i>Chennai Port</i>		
MBT-NIOT	Dr.G.Dharani	OSTI-OSMART & DOM	01-10-2021	15-10-2021	15	BoB/IO	Chennai	Chennai
<i>Cruise Preparation</i>			16-10-2021	19-10-2021	4	<i>Chennai Port</i>		

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<b>Annamalai University</b>	<b>Dr.A.Saravana Kumar</b>	<b>Carbon dynamics in near shore waters of BoB/IO</b>	<b>20-10-2021</b>	<b>03-11-2021</b>	<b>15</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			<i>04-11-2021</i>	<i>07-11-2021</i>	<i>4</i>	<i>Chennai Port</i>		
<b>IIT Madras</b>	<b>Dr.P.Shanmugam</b>	<b>Modeling &amp; Characterization of underwater optical properties</b>	<b>08-11-2021</b>	<b>11-11-2021</b>	<b>4</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			<i>12-11-2021</i>	<i>15-11-2021</i>	<i>4</i>	<i>Chennai Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Eco System Modelling</b>	<b>16-11-2021</b>	<b>27-11-2021</b>	<b>12</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			<i>28-11-2021</i>	<i>01-12-2021</i>	<i>4</i>	<i>Chennai Port</i>		
<b>IIT Bhubaneswar</b>	<b>Dr.Debadatta Swain</b>	<b>Investigation of coastal and off shelf processes</b>	<b>02-12-2021</b>	<b>12-12-2021</b>	<b>11</b>	<b>BoB</b>	<b>Chennai</b>	<b>Paradip</b>
<i>Cruise Preparation</i>			<i>13-12-2021</i>	<i>16-12-2021</i>	<i>4</i>	<i>Paradip Port</i>		
<b>IIT Madras</b>	<b>Shri.Maniandan Mathur</b>	<b>Coastal front Survey and drone based Measurements</b>	<b>17-12-2021</b>	<b>30-12-2021</b>	<b>14</b>	<b>BoB</b>	<b>Paradip</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			<i>31-12-2021</i>	<i>03-01-2022</i>	<i>4</i>	<i>Chennai Port</i>		
<b>Annamalai University</b>	<b>Dr.A.Saravana Kumar</b>	<b>Carbon dynamics in near shore waters of BoB/IO</b>	<b>04-01-2022</b>	<b>18-01-2022</b>	<b>15</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			<i>19-01-2022</i>	<i>22-01-2022</i>	<i>4</i>	<i>Chennai Port</i>		
<b>University of Hyderabad</b>		<b>Survey &amp; Sampling/Training</b>	<b>23-01-2022</b>	<b>31-01-2022</b>	<b>9</b>	<b>BoB/AS</b>	<b>Chennai</b>	<b>Cochin</b>
<i>Cruise Preparation</i>			<i>01-02-2022</i>	<i>04-02-2022</i>	<i>4</i>	<i>Cochin Port</i>		
<b>MBT-NIOT</b>	<b>Dr.G.Dharani</b>	<b>OSTI-OSMART &amp; DOM</b>	<b>05-02-2022</b>	<b>19-02-2022</b>	<b>15</b>	<b>AS</b>	<b>Cochin</b>	<b>Goa</b>
<i>Cruise Preparation</i>			<i>20-02-2022</i>	<i>23-02-2022</i>	<i>4</i>	<i>Goa Port</i>		
<b>IIT Madras</b>	<b>Dr.P.Shanmugam</b>	<b>Modeling &amp; Characterization of underwater optical properties</b>	<b>24-02-2022</b>	<b>28-02-2022</b>	<b>5</b>	<b>AS</b>	<b>Goa</b>	<b>Cochin</b>
<i>Cruise Preparation</i>			<i>01-03-2022</i>	<i>04-03-2022</i>	<i>4</i>	<i>Cochin Port</i>		
<b>NCSCM</b>	<b>Prof.R.Ramesh</b>	<b>Climate Change and Nutrient Flux</b>	<b>05-03-2022</b>	<b>19-03-2022</b>	<b>15</b>	<b>AS</b>	<b>Cochin</b>	<b>Cochin</b>
<i>Cruise Preparation</i>			<i>20-03-2022</i>	<i>23-03-2022</i>	<i>4</i>	<i>Cochin Port</i>		
<b>IIT Madras</b>	<b>Dr.P.Shanmugam</b>	<b>Modeling &amp; Characterization of underwater optical properties</b>	<b>24-03-2022</b>	<b>28-03-2022</b>	<b>5</b>	<b>AS</b>	<b>Cochin</b>	<b>Cochin</b>

**Annexure-3**

**Cruise Schedule of Sagar Tara from April 2021 to March 2022**

*(Ship time allotment: 253 Days)*

Institute/ Group	Principal Investigator	Nature of Job	Allotment		No of Days	Area of operation	Embarkation	Disembarkation
			From	To				
OOS-NIOT	Dr.R.Venkatesan	Marine Micro-plastic Study	02-04-2021	06-04-2021	5	AS	Goa	Porbandar
<i>Cruise Preparation</i>			07-04-2021	10-04-2021	4	<i>Porbandar Port</i>		
NCCR	Dr.Pravakar Mishra	Seawater Quality Monitoring	11-04-2021	20-04-2021	10	AS	Porbandar	Mumbai
<i>Cruise Preparation</i>			21-04-2021	24-04-2021	4	<i>Mumbai Port</i>		
NCCR	Dr.Pravakar Mishra	Seawater Quality Monitoring, Marine Litter and Micro-plastics	25-04-2021	04-05-2021	10	AS	Mumbai	Mangaluru
<i>Cruise Preparation</i>			05-05-2021	08-05-2021	4	<i>Mangaluru Port</i>		
NCCR	Dr.Pravakar Mishra	Seawater Quality Monitoring	09-05-2021	18-05-2021	10	AS	Mangaluru	Tuticorin
<i>Cruise Preparation</i>			19-05-2021	21-05-2021	3	<i>Tuticorin Port</i>		
OOS-NIOT	Dr.R.Venkatesan	Marine Micro-plastic Study	22-05-2021	02-06-2021	12	BoB	Tuticorin	Chennai
<i>Cruise Preparation</i>			03-06-2021	06-06-2021	4	<i>Chennai Port</i>		
IIT Bhubaneswar	Dr.Debadatta Swain	Investigation of coastal and off shelf processes	07-06-2021	18-06-2021	12	BoB	Chennai	Paradip
<i>Cruise Preparation</i>			19-06-2021	22-06-2021	4	<i>Paradip Port</i>		
Andhra University		Survey & Sampling/Training	23-06-2021	27-06-2021	5	BoB	Paradip	Vizag
<i>Cruise Preparation</i>			28-06-2021	01-07-2021	4	<i>Vizag Port</i>		
IMU-Visakhapatnam	Prof.U.S.Ramesh	Testing of Scientific Equipments	02-07-2021	03-07-2021	2	BoB	Vizag	Vizag
<i>Cruise Preparation</i>			04-07-2021	07-07-2021	4	<i>Vizag Port</i>		
Annamalai University	Dr.A.Saravana Kumar	Carbon dynamics in near shore waters of BoB/IO	08-07-2021	19-07-2021	12	BoB	Vizag	Chennai
<i>Cruise Preparation</i>			20-07-2021	23-07-2021	4	<i>Chennai Port</i>		
Pondicherry University		Survey & Sampling/Training	24-07-2021	02-08-2021	10	BoB	Chennai	Chennai

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<i>Cruise Preparation</i>			03-08-2021	06-08-2021	4	<i>Chennai Port</i>		
<b>SSN College of Engineering</b>	<b>Dr.S.Sakhtivel Murugan</b>	<b>Offshore Excavation of Heritage Rich Submerged Sites</b>	<b>07-08-2021</b>	<b>16-08-2021</b>	<b>10</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			17-08-2021	20-08-2021	4	<i>Chennai Port</i>		
<b>University of Hyderabad</b>		<b>Survey &amp; Sampling/Training</b>	<b>21-08-2021</b>	<b>27-08-2021</b>	<b>7</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			28-08-2021	31-08-2021	4	<i>Chennai Port</i>		
<b>Department of Science &amp; Technology</b>	<b>Dr.K.Anandasabari</b>	<b>Bathymetry survey using SBES and MBES</b>	<b>01-09-2021</b>	<b>10-09-2021</b>	<b>10</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			11-09-2021	14-09-2021	4	<i>Chennai Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Ecosystem Modelling</b>	<b>15-09-2021</b>	<b>26-09-2021</b>	<b>12</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			27-09-2021	30-09-2021	4	<i>Chennai Port</i>		
<b>Bose Institute</b>	<b>Dr.Sanat Kumar Das</b>	<b>Investigation of Microbial Aerosol</b>	<b>01-10-2021</b>	<b>07-10-2021</b>	<b>7</b>	<b>BoB</b>	<b>Chennai</b>	<b>Cochin</b>
<i>Cruise Preparation</i>			08-10-2021	11-10-2021	4	<i>Cochin Port</i>		
<b>NIO-Kochi</b>	<b>Dr.Girish Kumar T.R</b>	<b>Study of Bio-Geo Chemistry</b>	<b>12-10-2021</b>	<b>21-10-2021</b>	<b>10</b>	<b>AS</b>	<b>Cochin</b>	<b>Mangaluru</b>
<i>Cruise Preparation</i>			22-10-2021	25-10-2021	4	<i>Mangaluru Port</i>		
<b>IIT Madras</b>	<b>Dr.P.Shanmugam</b>	<b>Modeling &amp; Characterization of underwater optical properties</b>	<b>26-10-2021</b>	<b>01-11-2021</b>	<b>7</b>	<b>AS</b>	<b>Mangaluru</b>	<b>Tuticorin</b>
<i>Cruise Preparation</i>			02-11-2021	04-11-2021	3	<i>Tuticorin Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Seawater Quality Monitoring, Marine Litter and Micro-plastics</b>	<b>05-11-2021</b>	<b>16-11-2021</b>	<b>12</b>	<b>AS</b>	<b>Tuticorin</b>	<b>Mangaluru</b>
<i>Cruise Preparation</i>			17-11-2021	19-11-2021	3	<i>Mangaluru Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Seawater Quality Monitoring, Marine Litter and Micro-plastics</b>	<b>20-11-2021</b>	<b>01-12-2021</b>	<b>12</b>	<b>AS</b>	<b>Mangaluru</b>	<b>Mumbai</b>
<i>Cruise Preparation</i>			02-12-2021	05-12-2021	4	<i>Mumbai Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Seawater Quality Monitoring, Marine Litter and Micro-plastics</b>	<b>06-12-2021</b>	<b>17-12-2021</b>	<b>12</b>	<b>AS</b>	<b>Mumbai</b>	<b>Porbandar</b>

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<i>Cruise Preparation</i>			18-12-2021	20-12-2021	3	<i>Porbandar Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Marine Litter and Micro-plastics</b>	<b>21-12-2021</b>	<b>01-01-2022</b>	<b>12</b>	<b>AS</b>	<b>Porbandar</b>	<b>Beypore</b>
<i>Cruise Preparation</i>			02-01-2022	05-01-2022	4	<i>Beypore Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Prediction of Water Quality</b>	<b>06-01-2022</b>	<b>17-01-2022</b>	<b>12</b>	<b>AS</b>	<b>Beypore</b>	<b>Cochin</b>
<i>Cruise Preparation</i>			18-01-2022	21-01-2022	4	<i>Cochin Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Marine Litter and Micro-plastics</b>	<b>22-01-2022</b>	<b>02-02-2022</b>	<b>12</b>	<b>AS</b>	<b>Cochin</b>	<b>Cochin</b>
<i>Cruise Preparation</i>			03-02-2022	06-02-2022	4	<i>Cochin Port</i>		
<b>Bose Institute</b>	<b>Dr.Sanat Kumar Das</b>	<b>Investigation of Microbial Aerosol</b>	<b>07-02-2022</b>	<b>18-02-2022</b>	<b>12</b>	<b>BoB</b>	<b>Cochin</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			19-02-2022	22-02-2022	4	<i>Chennai Port</i>		
<b>Department of Science &amp; Technology</b>	<b>Ms.Madhusmita Dash</b>	<b>Bathymetry survey using SBES and MBES</b>	<b>23-02-2022</b>	<b>04-03-2022</b>	<b>10</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>

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**Cruise Schedule of Sagar Anveshika from April 2021 to March 2022**

*(Ship time allotment: 252 Days)*

Institute/Group	Principal Investigator	Nature of Job	From	To	No of Days	Area of operation	Embarkation	Disembarkation
Department of Science & Technology	Dr.K.Anandasabari	Bathymetry survey using SBES and MBES	01-04-2021	10-04-2021	10	BoB	Chennai	Chennai
<i>Cruise Preparation</i>			11-04-2021	14-04-2021	4	<i>Chennai Port</i>		
NCCR	Dr.Pravakar Mishra	Prediction of water quality	15-04-2021	26-04-2021	12	BoB	Chennai	Chennai
<i>Cruise Preparation</i>			27-04-2021	30-04-2021	4	<i>Chennai Port</i>		
NCCR	Dr.Pravakar Mishra	Prediction of water quality	01-05-2021	12-05-2021	12	BoB	Chennai	Vizag
<i>Cruise Preparation</i>			13-05-2021	16-05-2021	4	<i>Vizag Port</i>		
IMU-Visakhapatnam	Prof.U.S.Ramesh	Testing of Scientific Equipments	17-05-2021	18-05-2021	2	BoB	Vizag	Vizag
<i>Cruise Preparation</i>			19-05-2021	21-05-2021	3	<i>Vizag Port</i>		
Andhra University		Survey & Sampling/Training	22-05-2021	29-05-2021	8	BoB	Vizag	Kolkata
<i>Cruise Preparation</i>			30-05-2021	02-06-2021	4	<i>Kolkata Port</i>		
NCCR	Dr.Pravakar Mishra	Seawater Quality Monitoring, Marine Litter and Micro-plastics	03-06-2021	12-06-2021	10	BoB	Kolkata	Vizag
<i>Cruise Preparation</i>			13-06-2021	16-06-2021	4	<i>Vizag Port</i>		
NCCR	Dr.Pravakar Mishra	Seawater Quality Monitoring	17-06-2021	28-06-2021	12	BoB	Vizag	Chennai
<i>Cruise Preparation</i>			29-06-2021	02-07-2021	4	<i>Chennai Port</i>		
NCCR	Dr.Pravakar Mishra	Prediction of water quality	03-07-2021	14-07-2021	12	BoB	Chennai	Chennai
<i>Cruise Preparation</i>			15-07-2021	18-07-2021	4	<i>Chennai Port</i>		
NCCR	Dr.Pravakar Mishra	Seawater Quality Monitoring	19-07-2021	30-07-2021	12	BoB	Chennai	Chennai
<i>Cruise Preparation</i>			31-07-2021	03-08-2021	4	<i>Chennai Port</i>		
NCCR	Dr.Pravakar Mishra	Prediction of water quality	04-08-2021	15-08-2021	12	BoB	Chennai	Chennai
<i>Cruise Preparation</i>			16-08-2021	20-08-2021	5	<i>Chennai Port</i>		
Pondicherry University		Survey & Sampling/Training	21-08-2021	31-08-2021	11	BoB	Chennai	Chennai



**Annexure-3**

<i>Cruise Preparation</i>			01-09-2021	04-09-2021	4	<i>Chennai Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Prediction of water quality</b>	<b>05-09-2021</b>	<b>16-09-2021</b>	<b>12</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			17-09-2021	20-09-2021	4	<i>Chennai Port</i>		
<b>Department of Science &amp; Technology</b>	<b>Dr.K.Anandasabari</b>	<b>Bathymetry survey using SBES and MBES</b>	<b>21-09-2021</b>	<b>30-09-2021</b>	<b>10</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			01-10-2021	04-10-2021	4	<i>Chennai Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Prediction of water quality</b>	<b>05-10-2021</b>	<b>16-10-2021</b>	<b>12</b>	<b>BoB</b>	<b>Chennai</b>	<b>Vizag</b>
<i>Cruise Preparation</i>			17-10-2021	20-10-2021	4	<i>Vizag Port</i>		
<b>IMU-Visakhapatnam</b>	<b>Prof.U.S.Ramesh</b>	<b>Testing of Scientific Equipments</b>	<b>21-10-2021</b>	<b>22-10-2021</b>	<b>2</b>	<b>BoB</b>	<b>Vizag</b>	<b>Vizag</b>
<i>Cruise Preparation</i>			23-10-2021	26-10-2021	4	<i>Vizag Port</i>		
<b>University of Hyderabad</b>		<b>Survey &amp; Sampling/Training</b>	<b>27-10-2021</b>	<b>31-10-2021</b>	<b>5</b>	<b>BoB</b>	<b>Vizag</b>	<b>Kolkata</b>
<i>Cruise Preparation</i>			01-11-2021	04-11-2021	4	<i>Kolkata Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Seawater Quality Monitoring</b>	<b>05-11-2021</b>	<b>14-11-2021</b>	<b>10</b>	<b>BoB</b>	<b>Kolkata</b>	<b>Vizag</b>
<i>Cruise Preparation</i>			15-11-2021	18-11-2021	4	<i>Vizag Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Seawater Quality Monitoring</b>	<b>19-11-2021</b>	<b>26-11-2021</b>	<b>8</b>	<b>BoB</b>	<b>Vizag</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			27-11-2021	30-11-2021	4	<i>Chennai Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Seawater Quality Monitoring</b>	<b>01-12-2021</b>	<b>12-12-2021</b>	<b>12</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			13-12-2021	16-12-2021	4	<i>Chennai Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Prediction of water quality</b>	<b>17-12-2021</b>	<b>28-12-2021</b>	<b>12</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			29-12-2021	02-01-2022	5	<i>Chennai Port</i>		
<b>Anna University</b>		<b>Survey &amp; Sampling/Training</b>	<b>03-01-2022</b>	<b>12-01-2022</b>	<b>10</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			13-01-2022	16-01-2022	4	<i>Chennai Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Eco System Modelling</b>	<b>17-01-2022</b>	<b>28-01-2022</b>	<b>12</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			29-01-2022	01-02-2022	4	<i>Chennai Port</i>		

**Annexure-3**

<b>Bose Institute</b>	<b>Dr.Sanat Kumar Das</b>	<b>Investigation of Microbial Aerosol</b>	<b>03-02-2022</b>	<b>14-02-2022</b>	<b>12</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			<i>15-02-2022</i>	<i>18-02-2022</i>	<i>4</i>	<i>Chennai Port</i>		
<b>Anna University</b>		<b>Survey &amp; Sampling/Training</b>	<b>19-02-2022</b>	<b>28-02-2022</b>	<b>10</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>
<i>Cruise Preparation</i>			<i>01-03-2022</i>	<i>04-03-2022</i>	<i>4</i>	<i>Chennai Port</i>		
<b>NCCR</b>	<b>Dr.Pravakar Mishra</b>	<b>Eco System Modelling</b>	<b>05-03-2022</b>	<b>16-03-2022</b>	<b>12</b>	<b>BoB</b>	<b>Chennai</b>	<b>Chennai</b>