Format for the CSR Proposal

1. **Environment Evaluation Studies**
2. **Smart School Smart Education**
3. **Certificate Training in Geospatial Technology**

	Part A: Applicant Information	
1.	Name of organization	**SOUTH ASIAN INSTITUTE FOR ADVANCED RESEARCH AND DEVELOPMENT (SAIARD)**
2.	Address and contact details	**87/210, Raja Subodh Chandra Mallick Road, Kolkata – 700047, West Bengal**
		Phone: 087774 33044 WhatsApp: 91-6289169916, 8617708435 E-Mail: saiardkolkata@gmail.com
	Contact person & designation	Biswajit Roy Chowdhury, Chairman
3.	Legal status, date and place of registration	Registered under the Trustee Registration Act, 1882 (Reg.No.-163000060 in the year, 2019 & UAM No. WB10E0019172) West Bengal, Kolkata
	CSR Registration	CSR00033023
4.	Structure of organization	Given in annexure
5.	Names, current address & occupation of executive committee members	Biswajit Roy Chowdhury, Chairman Soumitro Mukherjee, Project Director Maya Bhattacharya, Sr. Project Associate
6.	Frequency of executive committee meetings	Three months once.
7.	Name and designation of Chief-Functionary	Biswajit Roy Chowdhury, Chairman
8.	**Origin and brief history of organization**: SAIARD, a Research and Knowledge hub, has started its journey with a broad vision and objectives to promote research, advocacy, education and innovative ideas through publication, various outreach programmes, collaborations and partnerships for sustainable and cognitive development of this region. As well as to provide skill-based education to the students and make them employable and strengthening the hands of both public and private sectors by providing all-round supports. The basic purpose of this institution is to focus on the all-round academic development especially for our students to find out a platform for their future endeavours. For that purpose, SAIARD adopts a community-based approach through various training, education, awareness and entrepreneurship programmes, enriching with the modern phase of technological innovations. SAIARD emphasizes more on policy-based research interventions on multi-disciplinary issues related to environment and socio-economic aspects and sharing far-seeing ideas for the betterment of society and humanity.	
9.	**Objectives of organization:** Centre for Applied Geoinformatics of SAIARD is one of the dynamic platform devoted to	

promote the geospatial education and enhancement of capacities in that particular field both for the academic and non-academic fraternities. To fulfill these objectives, since its formation, we have continuously doing lots of capacity building and outreach programmes in collaboration with various academic and non-academic institutions. Along with that as one of the major objectives of SAIARD is to strengthen the hands of the Govt. organizations so, to reach this vision we have signed MOU with the NATMO, a govt. of India organization. and work hard to make our country strong in geospatial sector. Therefore, considering the growing importance of this geospatial field, this center has been transformed into an institution namely International Institute of Geospatial Science and Technology (IIGST).

	Part B : Check list for submission of project details (Environment Evaluation Studies)
1	**Need of the project :** EES is a systematic, documented verification process for objectively obtaining and evaluating evidence to determine whether specified environmental activities, events, conditions, management systems conforms with audit criteria, and communicating the results of this process to the client. It is an investigative process to determine if an existing facility is in compliance with applicable environmental laws and regulations. This service is essential to the environmental management process, as it complements associated field services aimed at analyzing environmental parameters. An environmental evaluation report ideally contains a statement of environmental performance and environmental position, and may also aim to define what needs to be done to sustain or improve on indicators of such performance and position.
2	**Project location :** Sundarban ,Kolkata, West Bengal
3	**Project objectives and expected outcomes** • To evaluate the previous environmental activities done under any CSR projects • To find out the potential environmentally vulnerable zone • To monitor and studies the environmental impact of any concerned projects
4	**Detailed item wise breakup of project outlay showing capital and recurring expenditure Separately along with justification for each item** 1. Field visit and Survey 2. Salary of the Surveyor 3. Satellite Image Purchase 4. GIS Analyst 5. Drone Survey

	6. Drone Data Processing 7. Travel and Accommodation of the Surveyors 8. Food and Refreshments 9. Car for Survey 10. Printing and Report Generation 11. Misc. **Apprx. Budget Amount:** Rs. 5,00,000/- (Rupees Five Lakhs only) ** It is an approximate amount. Amount may vary on the basis of the changes of the size of area of study. or **If the area is large then the amount will be calculated on the basis of per square feet .
6	**Payment schedule:** 60%(before start the course), 20% (during the course) & 20% (after complication of the course)
7	**Monitoring and reporting mechanism:** Monitoring and reporting mechanism through the ground checking, field study, geospatial technology and drone survey

	Part B: Check list for submission of project details **(Subject : Smart School Smart Education)**
1	**Need of the project :** A smart school is a technology-driven physical or virtual learning environment equipped with modern technologies, devices, tools, and applications for interactive learning, engagement, collaboration, teaching, and management The term "smart" refers to intelligence, wisdom, efficiency, and effectiveness. So, smart education refers to a medium of learning which enables learners to think intelligently, act efficiently, and solve problems effectively. Therefore, a smart school aims to provide an intelligent learning environment, based on student-centric, personalized, and adaptive learning services, with interactive and collaborative tools characterized by unhindered access The smart school is a technology-based teaching-learning institution for preparing children for the Information Age. To achieve smarts schools educational objectives, these teaching and learning concepts should be covered: curricular, pedagogy, assessment and teaching-learning materials ,well equipped library and sports facilities. The idea of a SMART school was designed to implement changes from infrastructure to technology and more. Most schools selected for the program were from rural areas. These efforts intended to raise the value of government schools amidst a rise in private education.

2	**Project location :** Sundarban ,Kolkata, West Bengal
3	**Project objectives and expected outcomes :** • Good infrastructure encourages kids to attend school more regularly than the ones without any good facilities. A school should feel warm, comfortable, and welcoming to the kids. • Students have to participate in school sports to increase confidence, mental alertness, and self-esteem. Sports are important in schools because it helps to teach various skills to students like leadership, patience, patience, team efforts, and social skills. • To inculcate the habit of reading among children, To provide documents to supplement teaching and learning, To motivate students towards learning new things, To provide them with comfortable furniture conducive to learning, To provide guidance to them in every sphere of their life.
4	**Beneficiaries of the project (Category of the beneficiaries – students)** Smart school will helps in creating more interest among children's in rural areas and as mentioned it leads to experiential learning. A digital smart classroom ,library and sports provides enhanced teaching and learning experience ,Increased Productivity ,Highly Effective and Motivate learning to rural Students.
5	**Summary Note on the project outlining all important aspects of the project** • The aim of the smart class is to provide an education that prepares young minds to be creative, confident , compassionate and innovative adults. • In Smart school instill confidence in the child and provide a sense of social and environmental responsibility. And achieve high standard of academic excellence. • Smart school means giving new teaching tools to increasing interest in learning , Playing various sports helps them teach life skills such as teamwork, leadership, accountability, patience, and self-confidence and prepares them to face life challenges. • Libraries are a crucial source of information for children in schools. It creates the essential habit of reading in students. • for over all development of any student we required smart room, library, sports facility and other facility etc.
6	**List of project activities along with corresponding project schedule- 12months**
7	**Detailed item wise breakup of project outlay showing capital and recurring expenditure Separately along with justification for each item**

changed from industrial society to information society. Anymore, not capital but information has the decisive influence in this new society. This fact significantly changes the approach to the education in all European countries, including Slovakia. In the recent past, the education system and curriculum content have been rebuilt and changed in Slovakia. The aim of education is to develop key competencies in communication skills and capabilities. In the area of personal and interpersonal skills, an emphasis is given on the development of skills to handle problems creatively and critically (MŠ SR, 1998). The knowledge and skills from area of modern information technologies (ICT) are developed and new subjects focused on processing information and databases are introduced, for example, from the area of environment (Sousa et al. 2012).Geo-informatics and GIS are belonging among the new branches of science that have arisen due to the development of information and communication technologies. Geographic information systems have a wide range of applications and they can be experienced in everyday life (Pačaiová, 2006; Pačaiová et al. 2009; Csikósová et al. 2011; Hofierka, 2012; Korucu, 2012; Kršák and Tobisová, 2012). The use of GIS in the state and public administration and in the private sector brings a new demand for new type of experts educated in this or at least in a related area of expertise.

2	**Project location :** Sundarban ,Kolkata, West Bengal
3	**Project objectives and expected outcomes** • To promote application based geospatial technologies through skill based education and training (*as per the agenda of New Education Policy & New Geospatial Policy of Govt. of India)* to support the livelihood for the student of the under-privileged sections of the society and preparing GIS based human resource • To create geospatially educated and skilled manpower • To provide job into the geospatial industries.
4	**Beneficiaries of the project (Total Nos. Category of the beneficiaries – SC,ST, Women, PWD etc.).** - Under Privileged Students • Good policies generation by geospatial data set for sustain able development of under-privileged regions by an under-privileged student. • To focus on under-privileged students for advanced-level job application purposes.
5	**Summary Note on the project outlining all important aspects of the project** Remote sensing techniques can be used for collecting physical data to be integrated in to a GIS. It can be applied in any kind of field like public health, education system, economic development, land use, water resources, agriculture, and environment. Geospatial techniques could help betterment the challenges and facilitate enhanced decision support considering planning, collecting, conserving, and managing purposes. However, now a days satellite images are working on those things which are quite impossible for humans. The under-privileged region of India is facing advanced technologies related to education for under-privileged students. Remote sensing and GIS one of the advanced technology to

	solve multi-application-related livelihood problems and create more jobs. Thus, our objectives mainly focus on geospatial technology-related courses with minimum investment and maximum profit. Moreover, these types of courses can be improved like enhances learning experiences, making learning accessible anywhere, providing opportunities for learners to develop relationships, helps learners to improve their communication and leadership skills.
6	**List of project activities along with corresponding project schedule – 12 months 6 months (for each batch)**
7	**Detailed item wise breakup of project outlay showing capital and recurring expenditure Separately along with justification for each item :** • Course Fees, Computer System, Software (GIS), Study Materials, Educational Field Visit, Accommodation, Food, Transport, Uniform & Stationery, Miscellaneous +Contingencies, • Faculties and Visiting Faculties **Approximate Budget for Certificate Training in Geospatial Technology** – 2,00,000 (per student)+ 90000 (per batch)=2,90,000
8	**Payment schedule:** 60%(before start the course), 20% (during the course) & 20% (after complication of the course)
9	**Monitoring and reporting mechanism:** Every month class test and evaluation by various activities, project reports, educational field trip & final exam.
10	**Maintenance mechanism:** Preparing month wise *Digital Progress Report* of each student
11	**Sustainability plan for a minimum of 5years** • Rural based skills for sustainable development • Livelihood promotion and research on alternate livelihood initiatives • Networking and team working • Rural development awareness programme • Non Formal Education
12	**Brief write up on how to ensure the brand visibility of LINDE:** Using the name and logo of LINDE in each Banner related to the course, field trip, industry visit, even in Bag ,Uniform, stationery , booklets , certificate etc.