Annexure-A

			IIII CAULU II
Post Name	Essential Qualification	Desirable qualification and	Additional
		Experience	Information
Scientist SC	1. M.E/M.Tech/M.Sc. in Geospaital	Good Working experience in	Work on
(Geospatial	Technology/Sciences (Remote Sensing &	GeoWeb service/ Spatial	automatic feature
Data science)	Geographic Information System/	Decision Support System,	extraction/recogni
Five year term	Geomatics/ Geoinformatics/ Spatial	Internet of Thing/ Artificial	tion, Geospatial
and extendable	Information Technology/ Geospatial	Intelligence/ Deep Learning/	Big data analysis,
on contractual	Technology/ Geoinformatics & Surveying	Big Data Analytics etc. for	etc.
basis	Technology/ Remote Sensing and	Geospatial data. Good	
	Geomatics/ Geoinformatics and Remote	knowledge of C++, Java,	To support work
	Sensing or equivalent) OR Computer	RDBMS for RS & GIS	of PRSC. Job
	Science and Engineering/ Information	applications 2. Knowledge in	profile may also
	Technology or equivalent in First Class	web GIS using Geoserver,	require frequent
	with good knowledge of Geospatial.	Mapserver, UML, XML, open	field visits.
		layers, JQuery and free/open	
	AND	source will be an added	
		advantage. 3. Working	
	B.E/ B.Tech/B.Sc. in Electronic and	experience in Digital Image	
	Telecommunication Engineering or	Processing/spatial	
	equivalent/ Civil Engineering or equivalent	modeling/Hyperspectral/Micro	
	or Computer Science and Engineering/	wave satellite image	
	Information Technology or equivalent or	processes/automation	
	Geo-informatics/ Geomatics or equivalent		
	in First Class.		

 $Indicative\ tools,\ and\ skills\ for\ AI/ML/\ BigData\ and\ Geoanalytic\ Scientist\ requirement.$

AI/ ML / Subject Lines	ML Tools	
 Programming Languages (Java, R, C, C++, Python) Linear algebra, Calculus, Statistics (concepts of Matrices, Vectors, and Matrix Multiplication, Naive Bayes, Gaussian Mixture Models, and Hidden Markov Models etc.) Applied Math and Algorithms (Gradient Descent, Convex Optimization, Lagrange, Quadratic Programming, Partial Differential equation, and Summations.) Neural Network Architectures In addition to the above skills candidate should equipped with subject knowledge (Remote Sensing & GIS, Geo-analytics) 	 TensorFlow Spark and Hadoop R Programming Apache Kafka Weka MATLAB Google Cloud ML Engine Amazon Machine Learning PytorchJupyter Notebook IBM Watson 	