



**Haryana Space Applications Centre (HARSAC)**  
**(Citizen Resources Information Department, Haryana)**  
CCS Haryana Agricultural University Campus  
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**Advt.no. HARSAC/HSR/Recruitment/PP/2023/03**

**ONLINE APPLICATIONS ARE INVITED**

Online Applications are invited from the eligible candidates for various posts on contractual basis under different projects. Detail in this regard may be downloaded from HARSAC website ([www.harsac.org](http://www.harsac.org)). The application form duly complete in all respects along with the self-attested photo copies of testimonials / certificates may be uploaded on the URL of Deenbandhu Sir Chhotu Ram University of Science & Technology (DCRUST), Murthal, (Sonipat) i.e. <https://dcrustconsultancy.in> upto **20.07.2023**. **The portal will be opened w.e.f. 06.07.2023 and closed on 20.07.2023. The online MCQ examination will be held on 29.07.2023 and 30.07.2023.** The appointment in the projects will be purely on contractual basis and co-terminus with the project or earlier. It will not confer any right on the incumbent to any claim, implicit or explicit, on any post.

Director, HARSAC

**Table 1: Requirement of manpower in various projects of HARSAC**

Sr. No.	Name of project
1	Rejuvenation of Ponds / Water Bodies in Haryana
2	Digitization, Geo-referencing & Superimposition of Layout Plans,Sajra Plans and Development of GIS System for HSVP properties
3	Creation of GIS Cell in Municipal Corporation (MCF) Faridabad (Phase-II)
4	Drone Imaging & Information Services of Haryana”
5	Time Series Mapping of Kharif and Rabi Crops of Haryana – A Geospatial Approach
6	Establishment of HARSAC GIS Lab at District Level
7	Creation & Establishment of GIS Cell in PHED, HQ, Panchkula
8	Geo-Enabled Temporal Change Management and Monitoring System for Developmental Activities in Haryana
9	DGPS surveying of prospective mining area in parts of Haryana

**Table 2: Consolidated number of posts, emoluments, and tenure**

Sr. No	Post Name	Total Number of Posts	Remuneration/Salary/Emoluments*	Tenure (years)#
1	Sr. Software Development Officer	02	90,000/-	1
2	Sr. Software Developer (Data-01) ; (Application-01)	02	76,150/-	1
3	Database Programmer/ MIS Specialist	01	75,600/-	1
4	Sr. GIS Developer	01	66,150/-	1
5	Sr. Developer	01	66,150/-	1
6	GIS Developer	02	66,150/-	1
7	Agriculture Business Analyst	01	64,800/-	1
8	IoT Engineer	01	64,800/-	1
9	Mobile Developer (Android & IOS)	01	64,800/-	1
10	RA-I	03	36000/- plus HRA as applicable Revised Salary 47,000/- plus HRA as applicable	1
11	Team Lead (IP-01); (Digitization/FE-01)	02	54,000/-	1
12	Agro-meteorologist	02	54,520/-	1
13	Statistical Analyst	01	54,520/-	1
14	Junior Software Developer (IOS)	01	44,406/-	1
15	Project Fellow (PF)	15	25000/- plus HRA as applicable for Non-NET/GATE 31,000/- plus HRA as applicable for NET /GATE qualified.	1
16	GIS Technician (Digitization/FE)	07	31,000/-	1
17	Junior Software Engineer	09	31,000/-	1
18	AI /ML (Analyst)	09	54,520/-	1
19	Image Analyst (Optical Remote Sensing Data Processing)	03	54,520/-	1
20	Image Analyst (Microwave Remote Sensing Data Processing)	02	54,520/-	1

\*RAs and PFs will be eligible for HRA as per HARSAC norms.

# Tenure will be of one year and may be increased or decreased based on the performance/requirement.

**Table 3: Project wise detail of posts and Qualification**

Sr. No. of Project	Sr. No. of Post (No.)	Qualification
1.	<b>Name of Project: Rejuvenation of Ponds / Water Bodies in Haryana</b>	
	1.1 Sr. GIS Developer (01) (Rs.66,150 P.M)	<p><b>Essential Qualification:</b> Graduate or higher degree in Computers/Geospatial technology from any university/Professional Institution recognized by Government with experience in the GIS software’s development and applications customization. Minimum 3+years of experience.</p> <p><b>Desirable work experience:</b></p> <ul style="list-style-type: none"> <li>• Experience in remote sensing and GIS software’s development</li> <li>• Open-source coding</li> <li>• Full stack developer</li> <li>• Team handling</li> </ul> <p>Any relevant certification</p>
	1.2 Sr. Developer (01) (Rs.66150/- P.M)	<p><b>Essential Qualification:</b> Graduate or higher degree in Computers with work experience in Software development. Minimum 3+years of experience.</p> <p><b>Desirable:</b> Experience in JAVA script, Dot net, C sharp, understanding of SQL server, Postgress SQL. Development of web-app.</p>
2.	<b>Name of Project: Digitization, Geo-referencing &amp; Superimposition of Layout Plans, Sajra Plans and Development of GIS System for HSVP properties</b>	
	2.1 Sr. Software Development Officer (01) (Rs. 90,000/- P.M)	<p><b>Essential Qualification:</b> Graduate or higher degree in Computers/Geospatial technology from any university/Professional Institution recognized by Government with experience in the GIS software’s development and applications customization. Minimum 5+ years of experience.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Development of Web and REST APIs with Node Js and .net</li> <li>• Familiarity with the ASP.NET framework, and Express JS Node framework, SQL Server and design/architectural patterns</li> <li>• Will be Preferred if Experience in location, tracking mobile app APIs &amp; dashboards.</li> <li>• Good skills in bugs resolutions, DB Planning &amp; Designing the architectures</li> <li>• Knowledge of API Documentation process flows &amp; data, speed optimizations in gathering - posting the data from / to the server</li> <li>• Knowledge of ASP.NET, SQL Server, HTML, CSS, JavaScript, and C#, Node Js, Postgres SQL. Prepare and maintain code for various .Net applications and resolve any defects in systems.</li> <li>• Full stack developer</li> <li>• Team handling</li> </ul> <p>Any relevant certification</p>

	<p>2.2 AI /ML (Analyst) (01) (Rs. 54,520/- P.M)</p>	<p><b>Essential Qualification:</b>          Doctorate in Remote Sensing &amp; GIS (utilizing Optical/Microwave Remote Sensing)/ Geo-Informatics/ Geography/ Environmental Science / Forestry / Urban &amp; Town Planning / Computer Science with use of Geo-spatial techniques in Ph.D. research work.</p> <p style="text-align: center;"><b>OR</b></p> <p>1<sup>st</sup> Class Master's degree in Remote Sensing/GIS/Geo-Informatics/Geography/ Environmental Science / Urban &amp; Town Planning / Computer Science from recognized University with 3 years experience in relevant field.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Work experience in using optical/ microwave remote sensing data</li> <li>• Work experience in using remote sensing data.</li> <li>• Work experience relevant to Artificial Intelligence/ Machine Learning (AI/ML), Agro-meteorology, Meteorology, Statistics</li> </ul>
	<p>2.3 Project Fellow (05) Rs. 25000/- plus HRA as applicable</p> <p>Revised Salary Rs. 31,000/- P.M plus HRA as applicable.</p>	<p><b>Essential Qualification:</b>          1st class Master Degree in Remote Sensing/GIS/Geo-informatics</p> <p style="text-align: center;"><b>OR</b></p> <p>1st class Master's degree in Agriculture/Agro-Meteorology/Forestry/Geography/Geology/Geophysics/Environmental Science/Mathematics/Physics/Water Resources/Urban Planning with P.G. Diploma in Remote Sensing/GIS/ Geo-informatics from a recognized university/ Institute</p> <p>*Revised salary shall be paid to the Project Fellow having NET tests - CSIR, UGC NET including lectureship (Assistant Professorship) and GATE or should have cleared any National Level examinations such as DST /DBT /DOS/ DAE / DRDO /ICAR / IISC etc.</p>
3.	<p><b>Name of Project: GIS Cell in Municipal Corporation Faridabad(MCF) - Phase-II</b></p>	
	<p>3.1 Sr. Software Developer-</p> <p>3.1.1 Application (01) (Rs. 76,150/- P.M)</p>	<p><b>Essential Qualification:</b>          Graduate or higher degree in Computers with work experience in Software and GIS data development.          Minimum 3+ years of experience.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>•Experience in the development GIS applications.</li> <li>•Development of Web and REST APIs with NodeJs and .net</li> <li>•Knowledge with the ASP.NET and Express JS Node frame work, SQL Server and design/architectural patterns.</li> <li>•Experience in location, tracking mobile app APIs &amp;dashboards.</li> <li>•Good skills in bugs resolutions, DB Planning &amp; Designing the architectures.</li> <li>•API Documentation process flows &amp; data, speed optimizations in gathering-posting the data from/ to the server.</li> <li>•Knowledge of ASP.NET, SQL Server, HTML, CSS, JavaScript, and C#, Node Js, Postgres SQL. Prepare and maintain code for various .Net applications and resolve any defects in systems.</li> <li>•Development of Web and REST APIs with NodeJs and .net</li> <li>•Development of web-app and exposure of Mobile app development.</li> </ul>

		<ul style="list-style-type: none"> <li>• Team handling</li> <li>•Any relevant certification</li> </ul>
3.1.2 Data (01) (Rs. 76,150/- P.M)		<p><b>Essential Qualification:</b> Graduate or higher degree in Computers with work experience in Software and GIS data development. Minimum 3+ years of experience.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>•Experience in the development GIS applications.</li> <li>•Development of Web and REST APIs with NodeJs and .net</li> <li>•Knowledge with the ASP.NET and Express JS Node frame work, SQL Server and design/architectural patterns.</li> <li>•Experience in location, tracking mobile app APIs &amp;dashboards.</li> <li>•Good skills in bugs resolutions, DB Planning &amp; Designing the architectures.</li> <li>•API Documentation process flows &amp; data, speed optimizations in gathering-posting the data from/ to the server.</li> <li>•Knowledge of ASP.NET, SQL Server, HTML, CSS, JavaScript, and C#, Node Js, Postgres SQL. Prepare and maintain code for various .Net applications and resolve any defects in systems.</li> <li>•Development of Web and REST APIs with NodeJs and .net</li> <li>•Development of web-app and exposure of Mobile app development.</li> <li>• Team handling</li> <li>•Any relevant certification</li> </ul>
3.2 Jr. Software Developer-		
3.2.1 IOS (01) (Rs. 44,406/- P.M)		<p><b>Essential Qualification:</b> Graduate or higher degree in Computers/ IT/ Geo-informatics Minimum 1+ year of experience.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>•Android and IOS application experience.</li> <li>•Rich knowledge of Android APIs and Frameworks.</li> <li>•Familiar with Objective-C, Cocoa Touch and swift.</li> <li>•Experience working with iOS frameworks such as Core Data, Core Animation, Core Graphics and CoreText.</li> <li>•Additional skills in SQL, MySQL, Postgres SQL and other RDBMS. Comfortable with CSS, XHTML, XML, JavaScript, JQuery and Ajax.</li> <li>•Knowledge of Java Native Interface (preferred).</li> <li>•Sound knowledge on object-oriented programming. Expertise in Git, MySQL, XML, JSON, and Web Service.</li> <li>•GIS programming background (preferred).</li> <li>•Able to write and debug cross-platform code for mobile database.</li> <li>• MySQL, Postgres SQL and other RDBMS. Comfortable with CSS, XHTML, XML, JavaScript, JQuery and Ajax.</li> </ul> <p>API written knowledge will be given added advantage.</p>
4.	<b>Name of Project: Drone Imaging &amp; Information Services of Haryana (DRIISHYA – KARNAL)</b>	
4	4.1 Team Lead (Image Processing) (01)  (Rs. 54,000/- P.M plus HRA as applicable)	<p><b>Essential Qualification:</b> Doctorate or equivalent degree from a recognized university in relevant subject with 2 years of experience</p> <p style="text-align: center;"><b>OR</b></p>

	<p>4.2 Team Lead (Digitization/ Feature Extraction) (01) (Rs. 54,000/- P.M plus HRA as applicable)</p>	<p>Minimum 3 years of research, teaching, design and development experience after 1st class M.Sc. / MCA/ M.Tech. from a recognized university in Geo-informatics &amp; Photogrammetry/ Geospatial Sciences/ Computer Science/ Mathematics and two years experience after obtaining essential qualifications i.e.</p> <p>Total experience year 3+2= 5.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Should have more than one year of experience in UAV Image interpretation and feature extraction</li> <li>• Knowledge of GPS/ DGPS based instruments/ CORS survey, data processing and handling of outputs.</li> <li>• Knowledge and working experience on ARCGIS/QGIS etc. (latest technology/ software) of automatic/manual feature extraction using Orthorectified images generated from UAV.</li> <li>• Working experience on the latest technology of drone image processing on raw data to generate DSM, DTM, Contours, ortho-mosaic, 3D models for the different projects like land mapping etc.</li> <li>• Working knowledge of Pix4D, Correlator3D, Site Scan for ArcGIS, Agisoft Photo scan Pro, ERDAS Imagine, ENVI etc.</li> <li>• Data management of UAV data outputs in various formats.</li> <li>• Capability to resolve issues in processing of UAV data including point cloud classification.</li> <li>• Knowledge of data model structure and layout of maps.</li> <li>• Reporting and maintenance of created data base.</li> <li>• QA/QC of data.</li> </ul>
	<p>4.3 GIS Technician (Digitization /Feature Extraction) (07) (Rs. 31,000/- P.M)</p>	<p><b>Essential Qualification:</b> 1st Class Master’s degree from a recognized university in Remote Sensing /GIS / Geo-Informatics &amp; Photogrammetry /Geo- spatial Sciences / Geology / Geo Physics / Computer Science / Mathematics/Urban Planning/Town and Country Planning/ Environmental Sciences/B.Tech in Mining.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Knowledge of GPS/DGPS based instruments/ CORS survey, data processing and handling of outputs.</li> <li>• Working experience of 1 year on the latest technology of drone image processing on raw data to generate DSM and DTM and ortho-mosaic, 3D models.</li> <li>• Working knowledge of Pix4D, Correlator3D, Site Scan for ArcGIS, Agisoft Photo scan Pro, ERDAS Image, ENVI etc.</li> <li>• Should have more than one year of experience in UAV Image Interpretation and feature extraction.</li> <li>• Knowledge and working experience on ARCGIS / QGIS etc. (latest technology/ software) of automatic/manual features extraction using Orthorectified images generated from UAV.</li> <li>• Knowledge of attribute collection and field addition, merging of various attribute tables in ARCGIS and QGIS.</li> </ul> <p>Knowledge of data model structure and layout of maps.</p>
5.	<p><b>Name of Project: Time Series Mapping of Kharif and Rabi Crops of Haryana – A Geospatial Approach</b></p>	

<p>5.1 Agriculture Business Analyst (01) (Rs. 64,800/- P.M)</p>	<p><b>Essential Qualification:</b> Master's degree in Agriculture Economics/ Agriculture Business Management/Agriculture Marketing/Agriculture Insurance from recognized university with 3 years relevant experience. OR PhD in Agriculture Economics/Agriculture Business Management/ Agriculture Marketing/Agriculture Insurance.</p> <p><b>Desirable:</b> i. Good knowledge of computer. ii. Field survey exposure. iii. Good communication and written skill.</p>
<p>5.2 IoT Engineer (01) (Rs. 64,800/- P.M)</p>	<p><b>Essential Qualification:</b> Bachelor's Degree / Higher Degree in IT/CSE/Electronics &amp; Communication from any university/ Professional Institution recognized by Government</p> <p>Experience: Minimum 3 years of experience</p> <p><b>Desirable work experience:</b></p> <ul style="list-style-type: none"> <li>• Basic Knowledge of AVR, PIC, ARM, RASPBERRY PI are required.</li> <li>• Basic knowledge of working with different kind of Sensors.</li> <li>• Must be passionate for learning new technology.</li> <li>• Knowledgeable on TCP/IP Networking concepts and protocols.</li> <li>• Must have experience working independently on Linux systems.</li> <li>• Able to write software scripts such as Python/Perl, Linux scripting, JavaScript, etc...</li> <li>• Experience with software testing using Gitlab or similar environment.</li> <li>• Familiarity with concepts like fire walling, VPN/IPSEC, TLS, SNMP, PPP, NAT etc...</li> </ul> <p>Familiarity with cellular technologies such as 3G, 4G/LTE, 5G etc.</p>
<p>5.3 GIS Developer (01) (Rs. 66,150/- P.M)</p>	<p><b>Essential Qualification:</b> Bachelor's or higher degree in Computers / Geospatial technology from any university/ Professional Institution recognized by Government with experience in the GIS software's development and applications customization. Minimum 3+ years of experience.</p> <p><b>Desirable work experience:</b></p> <ul style="list-style-type: none"> <li>• Experience in remote sensing and GIS software's development</li> <li>• Open-source coding</li> <li>• Full-stack developer</li> <li>• Team handling</li> <li>• Knowledge of Web GIS and services</li> </ul> <p>Any relevant certification</p>
<p>5.4 Mobile Developer (Android/ IOS) (01) (Rs. 64,800/- P.M)</p>	<p><b>Essential Qualification:</b> Bachelor's degree in Computers/IT/Geo-informatics or Masters in Computers/IT/Geo- informatics from any university/</p>

	<p>Professional Institution recognized by Government with Minimum 3+ years of experience.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Android and IOS development experience (6 months-2 years)</li> <li>• Strong knowledge of Android APIs and Frameworks</li> <li>• A deep familiarity with Objective-C, Cocoa Touch and swift.</li> <li>• Experience working with iOS frameworks such as Core Data, Core Animation, Core Graphics and Core Text. Additional skills in SQL, MySQL, PostgreSQL and other RDBMS.</li> <li>• Comfortable with CSS, XHTML, XML, JavaScript, JQuery and Ajax.</li> <li>• Knowledge of Java Native Interface (preferred) Sound knowledge on object-oriented programming Expertise in Git, MySQL, XML, JSON, and Web Service Knowledge of Java Native Interface (preferred)</li> <li>• GIS programming background (preferred)</li> <li>• Able to write and debug cross-platform code for mobile database</li> </ul> <p>API written knowledge will be given added advantage.</p>
<p>5.5 Image Analyst (Optical Remote Sensing Data Processing) (03) <b>Rs. 54,520/- P.M)</b></p> <p>5.6 Image Analyst (Microwave Remote Sensing Data Processing) (02) <b>(Rs. 54,520/- P.M)</b></p>	<p><b>Essential Qualification:</b> Doctorate in Remote Sensing &amp; GIS (utilizing Optical/Microwave Remote Sensing)/ Geo-Informatics/ Geography/ Environmental Science / Forestry / Agronomy / Agriculture /Computer Science with use of Geo-spatial techniques in Ph.D. research work.</p> <p style="text-align: center;"><b>OR</b></p> <p>1<sup>st</sup> Class Master's degree in Remote Sensing/GIS/Geo-Informatics/Geography/ Environmental Science/ Forestry /Agronomy/Agriculture/Computer Science from recognized University with 3 years experience in relevant field.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Work experience in using optical/ microwave remote sensing data</li> <li>• Work experience in using remote sensing data.</li> <li>• Work experience relevant to Artificial Intelligence/ Machine Learning (AI/ML), Agro-meteorology, Meteorology, Statistics</li> </ul>
<p>5.7 AI /ML (Analyst) (05) <b>(Rs. 54,520/- P.M)</b></p>	<p><b>Essential Qualification:</b> Doctorate in Remote Sensing &amp; GIS (utilizing Optical/Microwave Remote Sensing)/ Geo-Informatics/ Geography/ Environmental Science / Forestry / Urban &amp; Town Planning / Computer Science with use of Geo-spatial techniques in Ph.D. research work.</p> <p style="text-align: center;"><b>OR</b></p> <p>1<sup>st</sup> Class Master's degree in Remote Sensing/GIS/Geo-Informatics/Geography/ Environmental Science / Urban &amp; Town Planning / Computer Science from recognized University with 3 years experience in relevant field.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Work experience in using optical/ microwave remote sensing data</li> <li>• Work experience in using remote sensing data.</li> </ul>



	<ul style="list-style-type: none"> <li>• Work experience relevant to Artificial Intelligence/ Machine Learning (AI/ML), Agro-meteorology, Meteorology, Statistics</li> </ul>
5.8 Agro-meteorologist (02) (Rs. 54,520/- P.M)	<p>Master's degree in Agro-metrology / Meteorology with 3 years relevant experience.</p> <p style="text-align: center;">OR</p> <p>PhD in Agricultural Meteorology/Meteorology.</p>
5.9 Statistical Analyst (01) (Rs. 54,520/- P.M)	<p>Master's degree in statistics/ mathematics with 3 years relevant experience.</p> <p style="text-align: center;">OR</p> <p>PhD in statistics/mathematics.</p>
5.10 Project Fellow (07)  Rs. 25000/- plus HRA as applicable  Revised Salary Rs. 31,000/- P.M plus HRA as applicable.	<p><b>Essential Qualification:</b> 1st class Master Degree in Remote Sensing/GIS/Geo-informatics</p> <p style="text-align: center;"><b>OR</b></p> <p>1st class Master's degree in Agriculture/Agro-Meteorology/Forestry/Geography/Geology/Geophysics/Environmental Science/Mathematics/Physics/Water Resources/Urban Planning with P.G. Diploma in Remote Sensing/GIS/ Geo-informatics from a recognized university/ Institute</p> <p>*Revised salary shall be paid to the Project Fellow having NET tests - CSIR, UGC NET including lectureship (Assistant Professorship) and GATE or should have cleared any National Level examinations such as DST /DBT /DOS/ DAE/ DRDO/ ICAR /IISC etc.</p>
5.11 Junior Software Engineer (09) (Rs. 31,000/- P.M)	<p><b>Essential Qualification:</b> Graduate or higher degree in Computers/ IT/ Geo-informatics. Freshers can apply.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Relevant experience is preferred.</li> <li>• Android and IOS application experience.</li> <li>• Rich knowledge of Android APIs and Frameworks.</li> <li>• Familiar with Objective-C, Cocoa Touch and swift.</li> <li>• Experience working with iOS frameworks such as Core Data, Core Animation, Core Graphics and CoreText.</li> <li>• Additional skills in SQL, MySQL, Postgres SQL and other RDBMS. Comfortable with CSS, XHTML, XML, JavaScript, JQuery and Ajax.</li> <li>• Knowledge of Java Native Interface (preferred).</li> <li>• Sound knowledge on object-oriented programming. Expertise in Git, MySQL, XML, JSON, and Web Service.</li> <li>• GIS programming background (preferred).</li> <li>• Able to write and debug cross-platform code for mobile database.</li> <li>• MySQL, Postgres SQL and other RDBMS. Comfortable with CSS, XHTML, XML, JavaScript, JQuery and Ajax.</li> </ul> <p>API written knowledge will be given added advantage.</p>

6	<b>Name of Project: Establishment of HARSAC GIS Lab at District Level</b>	
	<p>6.1 Project Fellow (02)</p> <p>Rs. 25000/- plus HRA as applicable</p> <p>Revised Salary Rs. 31,000/- P.M plus HRA as applicable.</p>	<p><b>Essential Qualification:</b> 1st class Master Degree in Remote Sensing/GIS/Geo-informatics</p> <p style="text-align: center;"><b>OR</b></p> <p>1st class Master's degree in Agriculture/Agro-Meteorology/Forestry/Geography/Geology/Geophysics/Environmental Science/Mathematics/Physics/Water Resources/Urban Planning with P.G. Diploma in Remote Sensing/GIS/ Geo-informatics from a recognized university/ Institute</p> <p>*Revised salary shall be paid to the Project Fellow having NET tests - CSIR, UGC NET including lectureship (Assistant Professorship) and GATE or should have cleared any National Level examinations such as DST/ DBT /DOS /DAE/ DRDO /ICAR / IISC etc.</p>
7.	<b>Name of Project: Creation &amp; Establishment of GIS Cell in PHED, HQ, Panchkula</b>	
	<p>7.1 Research Associate-I (RA-I) (01)</p> <p>Rs. 36,000/- plus HRA as applicable</p> <p>*Revised Salary Rs. 47,000/- P.M plus HRA as applicable.</p>	<p><b>Essential Qualification:</b> Ph.D. in Urban Planning/ Remote Sensing &amp; GIS (utilizing Optical Remote Sensing)/ Geo-Informatics/ Geography / Environmental Science/ Water Resource / Computer Science with use of Geo-spatial techniques in Ph.D. research work.</p> <p style="text-align: center;"><b>OR</b></p> <p>1st Class Master's degree in Urban Planning/ Remote Sensing / GIS/ Geo-Informatics/ Geography/ Environmental Science/ Water Resource / Computer Science from recognized University with 3 years experience in relevant field</p> <p>At least one research paper published in a peer reviewed journal.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Work experience in using optical remote sensing data.</li> <li>• Work experience relevant to Artificial Intelligence/ Machine Learning (AI/ML) technique.</li> </ul> <p>* Revised Salary shall be paid to the Research Associate -I having the above qualification with at least one research paper in Science Citation Indexed (SCI) Journal.</p>
8.	<b>Name of Project: Geo-Enabled Temporal Change Management and Monitoring System for Developmental Activities in Haryana (TCP)</b>	
	<p>8.1 Sr. Software Development Officer (01)</p> <p>(Rs. 90,000/- P.M)</p>	<p><b>Essential Qualification:</b> Graduate or higher degree in Computers/Geospatial technology from any university/Professional Institution recognized by Government with experience in the GIS software's development and applications customization. Minimum 5+ years of experience.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Development of Web and REST APIs with Node Js and .net</li> <li>• Familiarity with the ASP.NET framework, and Express JS Node framework, SQL Server and design/architectural patterns</li> <li>• Will be Preferred if Experience in location, tracking mobile app</li> </ul>

		<p>APIs &amp; dashboards.</p> <ul style="list-style-type: none"> <li>• Good skills in bugs resolutions, DB Planning &amp; Designing the architectures</li> <li>• Knowledge of API Documentation process flows &amp; data, speed optimizations in gathering - posting the data from / to the server</li> <li>• Knowledge of ASP.NET, SQL Server, HTML, CSS, JavaScript, and C#, Node Js, Postgres SQL. Prepare and maintain code for various .Net applications and resolve any defects in systems.</li> <li>• Full stack developer</li> <li>• Team handling</li> </ul> <p>Any relevant certification</p>
	<p>8.2 Database Programmer/ MIS Specialist (01) (Rs. 75,600/- P.M)</p>	<p><b>Essential Qualification:</b> Bachelor's degree or higher degree in Computers/IT/ Geospatial technology from any university/ Professional Institution recognized by Government with experience in the GIS software's development and applications customization. Minimum 5+ years of experience</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Working experience on MS SQL Server/Postgres SQL Server</li> <li>• Handling and Creating the Database/Enterprise Geo-database.</li> <li>• Providing database support in day to day operation Experience with Performance Tuning and Optimization (PTO), using native monitoring and troubleshooting tools</li> <li>• Experience with backups, restores and recovery models</li> <li>• Knowledge of High Availability (HA) and Disaster Recovery (DR) options for SQL Server</li> <li>• Experience working with Windows server, including Active Directory</li> <li>• Excellent written and verbal communication</li> <li>• Flexible, team player, "get-it-done" personality</li> <li>• Ability to organize and plan work independently</li> <li>• Ability to work in a rapidly changing environment</li> <li>• Ability to multi-task and context-switch effectively between different activities and teams</li> <li>• MIS reports</li> </ul>
	<p>8.3 GIS Developer (01) (Rs. 66,150/- P.M)</p>	<p><b>Essential Qualification:</b> Bachelor's or higher degree in Computers / Geospatial technology from any university/ Professional Institution recognized by Government with experience in the GIS software's development and applications customization. Minimum 5+ years of experience.</p> <p><b>Desirable work experience:</b></p> <ul style="list-style-type: none"> <li>• Experience in remote sensing and GIS software's development</li> <li>• Open-source coding</li> <li>• Full-stack developer</li> <li>• Team handling</li> <li>• Knowledge of Web GIS and services</li> </ul> <p>Any relevant certification</p>
	<p>8.4 AI/ML (Analyst) (03) (Rs. 54,520/- P.M)</p>	<p><b>Essential Qualification:</b> Ph.D. in Urban Planning/ Remote Sensing &amp; GIS (utilizing Optical Remote Sensing)/ Geo-Informatics/ Geography / Environmental Science/ Computer Science with use of Geo-spatial</p>

	<p>techniques in Ph.D. research work.</p> <p style="text-align: center;"><b>OR</b></p> <p>1st Class Master's degree in Urban Planning/ Remote Sensing / GIS/ Geo-Informatics/ Geography/Environmental Science/ Computer Science from recognized University with 3 years experience in relevant field</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Work experience in using optical remote sensing data.</li> <li>• Work experience relevant to Artificial Intelligence/ Machine Learning (AI/ML) technique.</li> </ul>
<p>8.5 Research Associate-I (Urban Planner) (01)</p> <p>Rs. 36,000/- plus HRA as applicable</p> <p>*Revised Salary Rs. 47,000/- P.M plus HRA as applicable.</p>	<p><b>Essential Qualification:</b> Ph.D. in Urban Planning/ Remote Sensing &amp; GIS (utilizing Optical Remote Sensing)/ Geo-Informatics/ Geography / Environmental Science/ Computer Science with use of Geo-spatial techniques in Ph.D. research work.</p> <p style="text-align: center;"><b>OR</b></p> <p>1st Class Master's degree in Urban Planning/ Remote Sensing / GIS/ Geo-Informatics/ Geography/ Environmental Science/ Computer Science from recognized University with 3 years experience in relevant field</p> <p>At least one research paper published in a peer reviewed journal.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Work experience in using optical remote sensing data.</li> <li>• Work experience relevant to Artificial Intelligence/ Machine Learning (AI/ML) technique.</li> </ul> <p>* Revised Salary shall be paid to the Research Associate -I having the above qualification with at least one research paper in Science Citation Indexed (SCI) Journal.</p>
<p>8.6 Research Associate-I (Surveying Expert for GCP Collection/ CORS) (01)</p> <p>Rs. 36,000/- plus HRA as applicable</p> <p>*Revised Salary Rs. 47,000/- P.M plus HRA as applicable.</p>	<p><b>Essential Qualification:</b> Ph.D. in Urban Planning/ Remote Sensing &amp; GIS (utilizing Optical Remote Sensing)/ Geo-Informatics/ Geography / Environmental Science/ Computer Science with use of Geo-spatial techniques in Ph.D. research work.</p> <p style="text-align: center;"><b>OR</b></p> <p>1st Class Master's degree in Urban Planning/ Remote Sensing / GIS/ Geo-Informatics/ Geography/ Environmental Science/ Computer Science from recognized University with 3 years' experience in relevant field</p> <p>At least one research paper published in a peer reviewed journal.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Work experience in using optical remote sensing data.</li> <li>• Work experience relevant to Artificial Intelligence/ Machine Learning (AI/ML) technique.</li> </ul>

		Learning (AI/ML) technique.  * Revised Salary shall be paid to the Research Associate -I having the above qualification with at least one research paper in Science Citation Indexed (SCI) Journal.
9.	<b>Name of Project: DGPS surveying of prospective mining area in parts of Haryana</b>	
	9.1 Project Fellow (01)  Rs. 25000/- plus HRA as applicable  Revised Salary Rs. 31,000/- P.M plus HRA as applicable.	<b>Essential Qualification:</b> 1st class Master Degree in Remote Sensing/GIS/Geo-informatics <b>OR</b> 1st class Master's degree in Agriculture/Agro-Meteorology/Forestry/Geography/Geology/Geophysics/Environmental Science/Mathematics/Physics/Water Resources/Urban Planning with P.G. Diploma in Remote Sensing/GIS/ Geo-informatics from a recognized university/ Institute  *Revised salary shall be paid to the Project Fellow having NET tests - CSIR, UGC NET including lectureship (Assistant Professorship) and GATE or should have cleared any National Level examinations such as DST/DBT/DOS/DAE/DRDO/ICAR/IISC etc.

**Terms and conditions: -**

1. Candidate will ensure eligibility and other requirements before filling the application form.
2. Incomplete application forms shall not be entertained. Attach all the required self attested documents with the application form.
3. Number of posts may be increased or decreased during the process of recruitment subject to the needs in the project and funds availability.
4. Tenure of the contractual appointment is mentioned in Table 2. However, tenure may be increased or decreased depending on performance/requirement.
5. The eligible candidates will be invited by DCRUST, Murthal for attending the Written Test in due course of time.
6. Personal interaction shall be applicable to the candidates qualifying the written and skill test for the posts number 2.1, and 8.1 to assess their experience and exposure. Selection for the other posts will be based on written test and skill test only.
7. In any discrepancy, decision of the Director, HARSAC will be final and abide by the applicants.
8. List of eligible candidates to be called for skill test/interaction as well as guidelines, syllabus and schedule will be uploaded on HARSAC website ([www.harsac.org](http://www.harsac.org)).
9. Candidates are advised to visit HARSAC website regularly for dates of skill test/interaction after appearing in written test to be conducted by the DCRUST, Murthal.
10. Canvassing in any form by the candidates will be disqualified.
11. Director, HARSAC can cancel this whole recruitment process or for any post/posts without assigning any reason at any time.

**Director, HARSAC**