Dated: 11.01.2020

Applications are invited from eligible candidates on prescribed proforma for the post of Research Associate (RA) & Jr. Project Assistant (JPA) under various projects listed below:

<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Name of the post</th>
<th>Number of posts</th>
<th>Period</th>
<th>Name of Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.</td>
<td>Research Associate (RA-I)</td>
<td>01</td>
<td>Six Month</td>
<td>Creation and establishment of GIS Cell in PHED, Panchkula</td>
</tr>
<tr>
<td>02.</td>
<td>Research Associate (RA-III)</td>
<td>08</td>
<td>12 Months</td>
<td>Time Series Mapping of Rabi and Kharif Crops of Haryana</td>
</tr>
<tr>
<td>03.</td>
<td>Research Associate (RA-III)</td>
<td>06</td>
<td></td>
<td>Mapping of Mining areas of Haryana on Satellite and Geo-referenced Cadastral Maps and delineating its boundary based on pillars using DGPS technology</td>
</tr>
<tr>
<td>04.</td>
<td>Jr. Project Assistant (JPA)</td>
<td>06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>05.</td>
<td>Research Associate (RA-I)</td>
<td>01</td>
<td>12 Months</td>
<td></td>
</tr>
<tr>
<td>06.</td>
<td>Junior Project Assistant (JPA)</td>
<td>01</td>
<td>12 Months</td>
<td></td>
</tr>
</tbody>
</table>

Post advertised at Sr. No. 1 is for Panchkula and Sr. No. 2 to 6 are for HARSAC Node Office Gurugram. The desired qualifications for above said posts are given below:

<table>
<thead>
<tr>
<th>Name of Post</th>
<th>Essential Qualification</th>
</tr>
</thead>
</table>
| Research Associate (RA-I) (Sr. No. 01) | First class M.Sc./M.Tech. in Computer Science with PG Diploma in RS/GIS/Geo-informatics with minimum three-year research experience in remote sensing/GIS applications in Web GIS.  
Note: At least one research paper published in peer reviewed ISSN journal.  
Or  
First Class M.Tech. in Geo-informatics/Remote Sensing/Geo-spatial Technology with minimum three years research experience in remote sensing/ GIS applications in Web GIS.  
Note: At least one research paper published in peer reviewed ISSN journal.  
Or  
Ph.D. in Geo-informatics/Remote Sensing/Geospatial Technology.  
Note: At least one research paper published in peer reviewed ISSN journal. |
Or  
1st Class Master's degree in Remote Sensing/ GIS/ Geo informatics/ Agronomy/ Meteorology /Environmental Sciences/ Geography/ Computer Science from recognized University with minimum 3-year Research experience relevant to Optical Data Remote Sensing & Image Classification.  
and  
At least One research Paper published in Peer Reviewed Journal.  
Desirable:  
UGC/ CSIRNET/ ASRB-NET/ GATE qualified candidates shall be given preference and, in the subjects, where UGC/ CSIR/ ASRB does not conduct NET exam exemption will be given. Persons having experience in FASAL/CAPE project will be given preference |

Contact: contact@harsac.org, csharsac@gmail.com
Research Associate (RA-III)  
(Sr. No. 03)  
No. of Posts : 06  
	or  
1st Class Master's degree in Remote Sensing/GIS/ Geo-informatics/ Agronomy/ Meteorology /Environmental Sciences/Geography/ Computer Science from recognized University with minimum 3-year Research experience relevant to Microwave Data Remote Sensing & Image Classification.  
	and  
At least One research Paper published in Peer Reviewed Journal.  
Desirable:  
UGC/ CSIRNET/ ASRB-NET/ GATE qualified candidates shall be given preference and, in the subjects, where UGC/ CSIR/ ASRB does not conduct NET exam exemption will be given. Persons having experience in FASAL/CAPE project will be given preference.

Research Associate (RA-I)  
(Sr. No.05)  
No. of Post : 01  
Doctorate or equivalent degree in Geo-informatics.  
	Or  
3 Years research experience after 1st Class M.Sc. / M.Tech / M.E. in Remote Sensing /GIS/ Geo Informatics / Spatial Information System Geomatics  
	Or  
3 years of research experience after 1 Class Master degree in Geography / Geology / Mining with PG Diploma in RS & GIS from a recognized University / Institute.  
Note:  
Experience with remote sensing in geological / mining studies will be given preference. At least one research paper published in peer reviewed ISSN journal.

Jr. Project Assistant (JPA)  
(Sr. No. 04)  
No. of Posts : 06  
ITI in Geoinformatics Assistant (GIA)  
ITI in Computer Operator and Programming Assistant (COPA) with 1-year experience in GIS  
Note:  
Experience in GIS with hands on experience in digitization, Attribute coding, geo-referencing etc will be given preference.

Jr. Project Assistant (JPA)  
(Sr. No. 06)  
No. of Posts : 01  

The appointment in all the projects will be purely on contractual basis for the period as mentioned above or earlier or extendable as per project requirement. Eligible candidates may attend the **WRITTEN / SKILL TEST / WALK-IN-INTERVIEW ON 11.01.2020 at 10:30AM sharp** at HARSAC, CCSHAU Campus, Hisar with duly filled in application form, original and self-attested copies of testimonials / certificates and application fee of Rs. 200/- in the form of IPO or Demand Draft drawn in favour of Director, HARSAC, Hisar

The appointment in the projects will be purely on contract and co-terminus with the project. The selected candidates will not confer any right on the incumbent to any claim, implicit or explicit on any post. Candidates are required to mention exact percentage of marks obtained by them against each column of qualifications. No TA/DA will be paid for attending the **WRITTEN / SKILL TEST / WALK-IN-INTERVIEW**.

**Director, HARSAC**
Dated :12.01.2020

Applications are invited from eligible candidates on prescribed proforma for the post of Project Fellow and Project Assistant under various projects listed below:

<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Name of the post</th>
<th>Number of posts</th>
<th>Period</th>
<th>Name of Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.</td>
<td>Project Fellow (PF)</td>
<td>13</td>
<td>12 Months</td>
<td>Time Series Mapping of Rabi and Kharif Crops of Haryana</td>
</tr>
<tr>
<td>02.</td>
<td>Project Fellow(PF)</td>
<td>08</td>
<td>03 Months</td>
<td>Creation of Landuse landcover, Basemap and Cadastral maps of 139 villages of Faridabad and Palwal Project.</td>
</tr>
<tr>
<td>03.</td>
<td>Project Fellow (PF)</td>
<td>05</td>
<td>06 Months</td>
<td>Mapping of Mining areas of Haryana on Satellite and Geo-referenced Cadastral Maps and delineating its boundary based on pillars using DGPS technology</td>
</tr>
<tr>
<td>04.</td>
<td>Project Assistant (PA)</td>
<td>09</td>
<td>03 Months</td>
<td>Development of Empirical Models for Air Quality Parameters using instruments and geospatial technology in Haryana.</td>
</tr>
</tbody>
</table>

Posts advertised at Sr. No. 1 to 6 are for HARSAC Node Office Gurugram and posts mentioned at Sr. No. 7 to 8 are for HARSAC, Hisar. The desired qualifications for above said posts are given below:

<table>
<thead>
<tr>
<th>Name of Post</th>
<th>Essential Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Fellow (PF)</td>
<td>1st Class M.Sc/ M.Tech degree in Geo-Informatics, Remote Sensing &amp; GIS Or 1st Class Master's degree in Agronomy/ Meteorology /Environmental Sciences/ Geography/ Computer Science with PG Diploma in Remote Sensing/GIS/ Geoinformatics from recognized University. Desirable: UGC/ CSIRNET/ ASRB-NET/ GATE qualified candidates shall be given preference and, in the subjects, where UGC/ CSIR/ ASRB does not conduct NET exam exemption will be given. Persons having experience in FASAL/CAPE project or with 2- year Research experience relevant to Optical/ Microwave Data Remote Sensing &amp; crop Classification will be given preference.</td>
</tr>
<tr>
<td>(Sr. No. 01)</td>
<td>No. of Posts :13</td>
</tr>
<tr>
<td>(Sr. No. 02)</td>
<td>No. of Posts :08</td>
</tr>
<tr>
<td>Project Fellow (PF)</td>
<td>M.Tech / M.Sc. degree in Remote Sensing / Geoinformatics / GIS/ Spatial Information Technology / Information Technology / Master of Computer Applications. Or Master degree in Geography with PG Diploma in RS &amp; GIS from a recognized University / Institute Note: Experience with geospatial technology in urban planning studies will be given preference.</td>
</tr>
<tr>
<td>(Sr. No. 03)</td>
<td>No. of Posts : 05</td>
</tr>
<tr>
<td>Project Fellow (PF)</td>
<td>1st Class M.Sc. / M.Tech / M.E. in Remote Sensing / GIS /Geo Informatics/ Geo Spatial technologies / Geomatics. Or Master degree in Geography / Geology / Mining with PG Diploma in RS &amp; GIS from a recognized University / Institute Note : Experience with remote sensing in geological / mining studies will be given preference.</td>
</tr>
<tr>
<td>(Sr. No.05)</td>
<td>No. of Post : 01</td>
</tr>
</tbody>
</table>
**Project Assistant (PA)**  
(Sr. No.06)  
No. of Posts : 01  
M.Tech/M.Sc. degree in Remote Sensing / Geo-informatics / GIS/ Spatial Information Technology  
Or  
Master degree in Geography / Geology / Mining with PG Diploma in RS & GIS from a recognized University/ Institute  
**Note**: Experience with remote sensing in geological / mining studies will be given preference.

**Project Fellow**  
(Sr. No.07)  
No. of Post : 01  
1st Class Masters in Environmental Science or equivalent discipline / Physics with PG Diploma in RS and GIS (specialization in atmospheric sciences).  
Or  
1st Class Masters in RS and GIS with experience in satellite based air quality parameters modeling.  
**Desirable**:  
Work experience in GIS / RS, knowledge / degree of computer and coding, Research papers in peer reviewed journal will be preferred.

**Project Assistant**  
(Sr. No.08)  
No. of Post : 01  
Master in Environmental Science or equivalent discipline / Physics.  
**Desirable**:  
Work experience in GIS / RS, knowledge / degree of computer and coding, Research papers in peer reviewed journal will be preferred.

The appointment in all the projects will be purely on contractual basis for the period as mentioned above or earlier or extendable as per project requirement. Eligible candidates may attend the **WRITTEN / SKILL TEST / WALK-IN-INTERVIEW ON 12.01.2020 at 10:30AM sharp** at HARSAC, CCSHAU Campus, Hisar with duly filled in application form, original and self-attested copies of testimonials / certificates and application fee of Rs. 200/- in the form of IPO or Demand Draft drawn in favour of Director, HARSAC, Hisar

The appointment in the projects will be purely on contract and co-terminus with the project. The selected candidates will not confer any right on the incumbent to any claim, implicit or explicit on any post. Candidates are required to mention exact percentage of marks obtained by them **against each column of qualifications**. No TA/DA will be paid for attending the **WRITTEN / SKILL TEST / WALK-IN-INTERVIEW**.

**Director, HARSAC**
APPLICATION FORM

1) Post Applied for : 

2) Name of the Project : 

3) Name of the Candidate in full : 
4) Date of Birth : 
5) Name of Father/ Husband : 
6) Contact Tel/Mobile No. : 
7) E-mail Address : 
8) Nationality : 
9) Address for correspondence (in block letters) : 

10) Permanent Address : 

11) Whether SC/ST/OBC/General : 
12) Educational/Professional Qualifications (Matriculation onwards):

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Examination Passed (Indicate name of degree)</th>
<th>University/Board</th>
<th>Year of Passing</th>
<th>Division</th>
<th>Exact % of marks</th>
<th>Subjects Studied</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>10th class</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>2.</td>
<td>12th Class</td>
<td></td>
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<tr>
<td>3.</td>
<td>Graduation</td>
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<tr>
<td>4.</td>
<td>Master Degree</td>
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<tr>
<td>5.</td>
<td>Preferred Qualification (RS &amp; GIS)</td>
<td></td>
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</tr>
<tr>
<td>6.</td>
<td>Higher Qualification, if any</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

13) Relevant Experience (Only in GIS & RS) : 

14) No. of Publications (Attach Xerox copies) : 

15) If selected, minimum time required to join the post :
16) Application fee details: D. D./I.P.O./ No. __________ Dated: ________

17) Any other information you wish to add : ________

18. DECLARATION

I affirm that the information given in this application is true and correct to the best of my knowledge and belief. I also fully understand that if at any stage it is discovered that an attempt has been made by me to willfully conceal or misrepresent the facts, my employment may be terminated along with any other legal action deemed fit under the law.

Signature of the candidate with date

List of enclosures (Self attested copies of all the certificates should be attached):
1. ________
2. ________
3. ________
4. ________
5. ________
6. ________

Note:
Application Form should be enclosed with Rs.200 (D.D./I.P.O. in favor of Director, HARSAC payable at Hisar). Cash will not be accepted.
Syllabus for skill/written test

Research Associate

1. Radiometric Correction
2. Georeferencing
3. Band Ratios
4. Data reduction
5. Database Handling
6. Spatial Data Analysis
7. Geodatabase
8. Software applications
9. Digital classification using optical and micro-wave data

Project Fellow/Project Assistant

1. Georeferencing
2. Data import
3. Use of GPS & its applications
4. Spatial Data Analysis
5. Topology
6. Map Composition
7. Digital classification using optical and micro-wave data

Junior Project Assistant

1. Shapefile Creation
2. Vector Data Creation
3. GPS data handling
4. Map Composition