

EXPRESSION OF INTEREST

For

**SADIS 2G SYSTEM SOFTWARE PROCUREMENT AND
INSTALLATION**

Consulting Firm/Joint Venture:

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.....
.....

Prime Consultant (in case of a JV):

.....
.....

Employer:

Government of Nepal
Ministry of Science, Technology & Environment
Department of Hydrology and Meteorology
Naxal, Kathmandu

.....2015



Government of Nepal
Ministry of Science, Technology & Environment
Department of Hydrology and Meteorology
Naxal, Kathmandu

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Expressions of Interest (EOI)

1. The Government of Nepal, Department of Hydrology and Meteorology (DHM) invites EOI (Expressions of Interest) for the purpose of short listing the qualified, eligible and experienced Companies/firms and or their joint ventures for **SADIS 2G SYSTEM SOFTWARE PROCUREMENT AND INSTALATION** works.
2. The budget to this purpose has been allocated by the Government of Nepal (GON) for the fiscal year 2071/072.
3. Experienced, eligible and interested Software developing companies, Consulting Firms or companies are invited to submit their EOI, either alone or in joint venture with other firms with a certified copy of Consultancy /Company Registration Certificate, VAT and Tax Clearance (2071/72)/ Tax Return Submission receipt for the last fiscal year.
4. EOI documents could be obtained free of cost from DHM upon request during office hour on all government working days within the 15th day of the first date of publication of this notice (2072/01/21) or can also be downloaded from the website: <http://www.dhm.gov.np>. The instruction to the consultant, prescribed format, evaluation criteria, scope of the work and duration of the study and other details of the project are mentioned in the EOI. Only lead firm may obtained EOI form mentioning the names of all members of Association/JV and submitting Association/JV agreement.
5. Applications for EOI must be clearly marked **SADIS 2G SYSTEM SOFTWARE PROCUREMENT AND INSTALATION** and shall be submitted in sealed envelopes by companies or their joint venture received by the due date and within the specified time in the presence of the applicant or their authorized representatives. Absence of any applicant (or their authorized representative), however, shall not obstruct or prevent the opening of the EOI in any way, which must be delivered to the following address within the given time below.
Last Date of EOI Submission:- 2072/07/27 12:00 pm
Date of EOI opening :- 2072/07/27 02:00 pm
6. Certified evidences of the client reference indicating satisfactory completion of the projects along with the cost of consulting services in NRs and date of completion of the assignment only will be counted.
7. In case the day of submission of the EOI falls on a public holiday, Next working day at the same time will be the submission date and time. Only the short-listed Consulting Firms shall be invited for RFP (Request for Proposal). During the RFP process, the consulting firm/companies will be selected in accordance with quality and cost Based Selection procedure (QCBS).
8. DHM reserves the right to shortlist any or reject all of the Firms without assigning any reasons whatsoever. Further information or clarification can be obtained from DHM during office hours.

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SADIS 2G SYSTEM SOFTWARE PROCUREMENT AND INSTALLATION

1. INFORMATION ON THE CONSULTING FIRM

Information shall be provided in the following format. No field shall be left vacant. In case of a joint venture, the same form shall be filled by each of the JV partners separately. The form shall be submitted in the time, date and venue as mentioned in the published notice.

1. General

Name of Firm	Address	Telephone	Email	Fax	JV Percent

Out of the above list,
..... will be the Prime Consultant.

2. Financial Capacity

Annual turnover over the last three years are as follows. The auditor's report/tax clearance certificates are attached.

Fiscal year	Turnover (Rs)

3. Overall Experience*

Overall experiences of the firm in relevant work during last ten years are as follows (Work completion certificates are attached).

Name of Project	Project	Client	Contract amount (excluding VAT)	Year of completion	Description of work carried out

4. Specific Experience*

Experiences of the firm in related field during last ten years are as follow. Work completion certificates are attached.

Name of Project	Project	Client	Contract amount (excluding VAT)	Year of completion	Description of work carried out

* The firm/s shall produce certified evidences of the client reference indicating satisfactory completion of the mentioned projects along with the cost of consulting services in NRs and date of completion of the assignment are required for the consideration of that project for evaluation. Sublet works or assignment as a sub consultant shall not be considered for evaluation.

5. Human Resources

Human Resources in the company

Staff Member	Details	
	Permanent/part time	Name of personals

7. Other Resources

Other relevant resources available with us are as follows. The office layout, invoice/bill of equipment/ vehicle/ software/ computer is attached.

Resource	Unit	Total Available	Engaged by Works on Hand
Office area	m2		
Telephone lines	line		
Photocopy, Printers	set		
Climatic, weather analysis software, tools, GIS etc	no		
High capacity Computer	set		
vehicles (Four wheel Drive)	no		

Authorized signature:

Seal:

Date:

ANNEX 1: INFORMATION TO THE CONSULTING FIRM

General Information

- Purpose of inviting the EOI:** The main purpose shall short-list suitable consulting firms or software development companies for development of online weather and climate related products so that proposals could be invited from them only. However, the client may extend the short-list to include additional relevant consulting firms which are capable of giving the desired output.
- Format and Signing of Application:** Applicant intending to file an application in response to this EOI should submit an “Application together with the duly completed EOI form providing all the information required therein after signing in by Authorized Representative of Consulting Firm or company (in case of Joint Venture, Authorized Representative of Lead Firm) with Company’s seal in every page of EOI forms.
- Minimum eligibility of the firm:** Registered software development companies, consulting firms/company registered at VAT office and tax clearance certificates.
- Deadline for submission of EOI:** at or before 12 Noon (NST-Nepal Standard Time) within 16 days of the first publication of the Invitation notice for EOI
- Number of copies to be submitted:** Two
- Joint Venture:** A firm may apply to be short-listed alone or in joint venture with other firms. However once short-listed, JV partners are unchangeable.
- Duration of completion:** Duration to complete the works will be 10 days from the signing of the contract agreement.
- Information from the Client:** In due course of time, the shortlist shall be published on the Client’s notice board, at the website: www.dhm.gov.np. The Client shall mail the short-list to each of the firms/JV submitting the EOI and initiate the process of RFP without waiting for the receipt from the firms that they have received the short-list.

ANNEX 2: EVALUATION CRITERIA**(I) Eligibility Criteria (Pass / Fail)**

<i>Sr. No.</i>	<i>Eligibility Criteria</i>	<i>Requirement</i>	<i>Compliance</i>	<i>Remarks</i>
1.	Corporate Registration	Mandatory	Yes/ NO	Pass/Fail
2.	Tax Clearance / Tax Return Submission receipt for the last fiscal year	Tax return submission receipt for the last fiscal year. Mandatory	Yes/ NO	Pass/Fail
3.	Vat Registration	Mandatory	Yes/ NO	Pass/Fail
4.	Minimum Years of Standing	The applicant or the Lead partner of J/v applicant must have min. 5 years of standing.	Yes/ NO	Pass/Fail

II) Ranking Criteria (Out of 100%)

Experience of Consultant (70 marks) <i>Work, completed during last 10 years</i>		Office Set up and Logistics (10 marks)	Availability of Staff (10 marks)	Financial Turnover Last three years (10 marks)
Overall experience of Firm. (40 marks) 10 Projects Work Experience of firm in Application software developments, software system supply etc (10x4=40 marks)	Work Experience in Specific Projects. (30 marks) 5 Projects Work Experience of firm in related field (Hydrological/Meteorological software development, Climate software development, supply and development of aviation meteorology related software) (5x6=30 marks)	Office equipment, space, communication facilities, Vehicle and related Software (10 marks) 1. Office equipment & data visualization software -5 marks (equip-2, soft.-3 marks) 2. Office Space -3 marks. 3. Communication facilities -1 marks. 4. Vehicle four wheel drive – 1 mark.	Related Technical Human Recourse (10 marks) Software engineers 5 numbers – 10 marks	Financial Turnover of the consultant within last three years 1. Less than two million - 4 marks JP to three million- 6 marks More than three million- 10 marks

NOTE: The consultant should score more than 60 percent on the overall ranking criteria as mentioned above to qualify for short listing

Project Description:

Introduction:-

Meteorological Forecasting Division (MFD) of Department of Hydrology and Meteorology is providing aviation meteorological services in Nepal. MFD prepares and disseminates flight forecast among aviation users prior to the flight operation. Nepal has been using SADIS system for the preparation of flight folder as per WMO and ICAO guidelines.

SADIS is a high quality and cost - effective satellite data distribution system that brings vital flight information to aviation users around the world. It provides point to multi-point service via satellite in real time on a 24 hour basis.

- Uses an Intelsat 904 satellite located over the Indian Ocean
- Distributes World Area Forecast System (WAFS) products and global OPMET
- Enables WAFC London to distribute data to more than 90 ICAO contracting states
- Has coverage of around 60 percent of the earth's land surface
- Access to the internet based SADIS FTP service
- Highly cost effective

SADIS is a dedicated ICAO system, regulated and controlled under ICAO Standards and Recommended Practices and promulgated in ICAO Annex 3 - Meteorological Services for International Air Navigation and Annex - 10 Aeronautical Telecommunications. It carries ICAO defined aviation products with the appropriate priority. SADIS 2G also forms part of the ICAO Aeronautical Fixed Services (AFS) to ensure that aviation data are distributed without conflict and in a timely way. The SADIS 2G service, launched in September 2004, offers all approved SADIS users a satellite source of WAFS and OPMET data.

The SADIS satellite uplink facility is located at the Cable and Wireless Communications hub at Whitehill Earth Station, near Oxford, UK. The SADIS Gateway for OPMET is located at the National Air Traffic Services (NATS) Civil Aviation Communication Center (CACC) at Swanwick, near Southampton, UK. WAFS data, provided by WAFC London via terrestrial 64 kilo bits per second (kbps) lines, are uplinked from the hub at Whitehill to the INTELSAT 904 satellite located over the Indian Ocean at 60°E. Data are downlinked via a global beam to users in the AFI, EUR, MID and the western part of Asia. The footprint stretches from eastern Atlantic, Cape Verde (20°W) to central Australia (140°E).

II. Objective:-

The main objective of this work is to install SADIS 2G (Secure SADIS FTP) software for the reception of SADIS products which is disseminated through World Area Forecast Centres (WAFC).

II. Area of work:-

Met Briefing of Meteorological Forecasting Division, Operational Complex, Tribhuvan International Airport, Kathmandu, Nepal

V. Scope of work:-

1. Delivery and installation of SADIS system for aviation weather services
 - SADIS 2G software package
2. Provide full license of the software with FTP options
3. Provide maintenance and support for the two years
4. Provide training to forecasters

7. Details of the procurement

1. Software

SADIS 2G (Secure SADIS FTP) ICAO recommended software which includes

- SADIS data reception from local receiver
- OPMET text data (METAR, TAF, SPECI, AIREP, SIGMET, ...)
- GRIB/GRIB2 coded Wind - Temp charts
- BUFR coded SIGWX charts
- PNG coded chart display
- Automatic production of Flight Folders
- Visual/sound alerting upon warning reception
- Compliancy with latest ICAO Annex 3 Amendments
- Secure FTP connectivity
- Documentation set for operations and maintenance (English - softcopy)

2. Installation

The SADIS 2G (Secure SADIS FTP) should be installed in the working site.

3. Training

Training needs to be provided to the forecasters about the installation, operation (e.g. preparing flight folders) and maintenance of the system.

4. Maintenance

Maintenance support should be provided for 2 initial years.