

# Details Report of Contract Staff Service Request

Page : 1  
Date : 04-FEB-2026

T-contract No : T26 Reference : 58150 Status : Bidding Arrangement In Progress

Contact Details		
Person	Designation	Tel. No.
NG YIN LAM, DANICE	SO(A)61	2926 8531

					Request Details					
	Relevant		Post	Date of	Staff	Planned Period		Source	Shift	
Category	Field	Dept	Unit	Request	Required	Recruited	Start Date	End Date	of Fund	Duty Required
2 - CAP	C	HKO	A6	04-Feb-2026	1	0	01-Apr-2026	31-Jan-2027	R	N

Priority : High

Replacement : N

Staff Replaced :

Work Location(District) : Tsim Sha Tsui

Project Nature : Provide programming support for the development of the 4D Weather Cube for enhancing aviation weather services.

Job Description : (i) Advance rapid analysis for the 4DWxCube, including ingestion and quality control of observational data from HKIA, with a focus on integrating new observations from the 3RS; (ii) Research and develop methods to assimilate 3RS observational data into the 4DWxCube, particularly in the low-level airspace and surface environment, to better support aircraft operations under complex 3RS conditions; (iii) Design and construct a unified data architecture to harmonise heterogeneous observational datasets and numerical weather prediction outputs within the 4DWxCube framework; (iv) Perform calculations and analytics on aviation hazardous weather encounters using integrated 4DWxCube data to assist air traffic management and airline operations under the 3RS regime; (v) Improve visualisation tools and computational efficiency for 3D representations of hazardous weather phenomena.

Requirement Details : 1. Experience in web programming using ReactJS, Python and HTML5;  
2. Experience in database design and handling big data;  
3. Knowledge in GIS and Node.js will be an advantage;  
4. Experience in meteorology applications will be an advantage.

Work in Guangdong Province : No

Year Of IT Experience : 3.0 (post-qualification) 1.0 (in similar capacity)

Arrangement : Interview Arrangement Required

Imposition of Debarment : No

## Technical Requirement

Code	Description	Essential	Min. exp. required (in month)
------	-------------	-----------	-------------------------------

# Details Report of Contract Staff Service Request

Page : 2

Date : 04-FEB-2026

C++	C++	N	6
C/S	Client/Server Application Development	Y	36
GIS	Geographic Information System	N	12
HT5	HTML5	Y	24
JAP	JavaScript Programming	Y	48
MSQ	MySQL	Y	48
SCM	Source Control Management System	Y	48
ULS	Unix/Linux Shell Scripting	N	12
WAP	Web Analytics Service	N	6
WEB	Web Programming	Y	48

## Non-Technical Requirement

Code	Description	Essential	Min. exp. required (in month)
GOV	Work experience with/in the Government	Y	24

Note: - Skill list is arranged in the alphabetical order of the skill description.

- Relevant Field : A - Application Development  
B - System Programming  
C - Any Fields.

- Source of Fund : R - Recurrent Resources  
P - Project Vote

\*\*\* End of Report \*\*\*