

तेजपुरविश्वविद्यालय/ TEZPUR UNIVERSITY

(केंद्रीयविश्वविद्यालय/A Central University)

कुलसचिवकाकार्यालय/OFFICE OF THE REGISTRAR

तेजपुर-784028 :: असम/ TEZPUR-784028 :: ASSAM

CORRIGENDUM NOTICE

(ET-NIQ-...... DT- 07-12-2020)

The Technical Specifications (TechSheet) mentioned/uploaded alongwith NIQ No. ET-NIQ-2270; DT-18.11.2020 (Tender ID: 2020_TEZU_597909_1) has been replaced with a Revised Technical Specification (TechSheet).

The other contents of the NIQ remain unaltered.

Assistant Registrar (GA)

Tezpur University

Memo No: TU/11-24/Pur/Qtn(ET)/2020-21/2518

Copy Information to:

1. Webmaster, Tezpur University for uploading the notice in the website.

2. Dr. Ashalata Devi, Department of Environmental Science, Tezpur University

3. File

Assistant Registrar (GA)

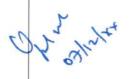
Dated:-07-12-2020

Technical Specifications cum Compliance Report (To be submitted on Company's/Firm's Letterhead Signed and Sealed)

Essential Functionality	Description of the functionality	COMPLIANCE with Proof via		Remarks
runctionality		(Brochure / weblink / Screenshot	£5	
Data Collection from	Should be able to collect data from all			
ETS & DGPS	leading Total station & DGPS			
Orthorectification	Should include sensor-based modeling and			
	orthocorrection for datasets with			
	CARTOSAT RPC, GEOEYE-1/OrbView-3,			
	IKONOS with RPCs, QuickBird with RPC,			
	QuickBird/ WorldView I & II			
GIS Analysis	Should have option for Attribute Query,			
	Spatial Query, Spatial Intersection, Spatial			
	Difference, Join, union, Buffer Zone			
	(Merged and Unmerged), Analytical Merge,			
	Geocoding, Analyzing Geometry, Native			
	Query (to perform server-based native			
	querying on Oracle), and Functional			
	Attribute, Update the analysis dynamically			
	as data changes. Software should have			
	facility to work in Multiuser Editing		865	
	environment. It should be able to create			
	THIESSAN Polygon.			
	Should be able to convert CAD to GIS.		_	
	Should be able to save as rvc file and import			
	export standard GIS file. Should have			
	network analysis inbuilt without extra			
	module. Should have topological based			
	digitization facilities.			
	Vector Snapping: Intersection Snap, End			
Snapping Options	Point Snap, Vertex Snap, On Element Snap.			
	Functionalities of geometry validation			
	against standard anomalies like Empty			
Spatial Data	Geometry, unknown geometry, invalid			
Validation and	geometry, too few vertices, uncontained			
Fixing	holes, unclosed areas, overlapping holes,			
	zero-length lines, zero-coverages area,			
			1	I



	kickback/duplicate point, invalid geometry	
	component.	
Raster Mosaicking	Merging pairs or blocks of images with	
	colour balancing and matching to produce	
	seamless mosaics.	
142	Dynamic Mosaic Preview of output without	
	creating a physical output file. User	
	defined, Most Nadir, Along Feature Cut Line	.
	Generation option	
	Should have mosaic tools using Piece-Wise	
	Affine model for cadastral mapping.	
Image Processing	Resolution Merge - HPF, IHS, Modified IHS	
Spatial Analysis	resolution merge, wavelet, subtractive	
	Principal Component, convolution, non-	
	directional, focal analysis, texture, adaptive	
	filter, statistical filter, LUT stretch,	
	histogram equalization, histogram match.	
	Able to view DTM as 3D surface; Should	
	have drape facility of raster, vector and	
	annotation on 3D surface; should have	
	facility of fly through over 3D.	
	Should have radiometry and algorithm	
	based change detection tool with	
-42	automatic raster to vector conversion	
	facility	
	Should have tools to generate contour, area	
	along surface, volume calculation, Terrain	
	analysis, GIS modeling (using vector and	
	rasters) and 3D analysis, Watershed	
	Analysis with vector flow path and basin	
	attributes generated, "Valley width-to-	
	Height Ratio", Slope Analysis, Sinusity ratio,	
	Dynamic Dip/Strike generation, Rose	
	diagram facilities. Should be able to run and	
	have tools for USLE calculation. Should	
	have GIS spatial Modelling using Multi-	
	Criterion Analysis.	
	Should have Hyperspectral analysis models	
	and other image processing facilities.	
	Should have LiDAR analysis feature.	
Vector & Raster	Georeferencing of any raster data using	
Registration	Affine, Polynomial (first to tenth order),	
	Linear Rubber Sheeting, Non- Linear Rubber	, ,
	sheeting. Automatic satellite Ephemeris	
. 4	parameter intake facility in geo-referencing,	



lifferent algorithms and conversion of hanged areas in shape file from the same nterface. hould have option for automatically place ext, Inserting Labels Interactively, Find Text conflict, Advanced rule based Labeling option for Dynamic Label which quickly eposition as the user pans or zooms hould have all standard functionalities to reate Map layout with Map book eneration and Batch Plotting facility. hould have Web publishing tools within the same environment for view and query in GIS layers from other systems. ither perpetual or subscription-based cense	£ 1, 1 9			5-1
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Option for automatically generates				
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Software	Photogrammetry (Satellite and Arial) And I	Radar Application	
Essential Functionality	Description of the functionality	COMPLIANCE with Proof via	
		(Brochure / weblink / Screenshot	



Photogrammetry		Automatic Interior Orientation in hundreds		
Functionalities		of Stereo Pair at one go, Stereo GCP Point		
		Measurement		
		Satellite Block Triangulation & Ariel		
		Triangulation with State-of-the-art bundle		
		adjustment with self-calibration for Digital		
		& Analog data option		
		Automatic Tie point generation with user		
		defined strategies & tie point patterns and		
		Tie point Measurement		
		Ability to extract individual DTMs from		
		stereo pair.		
		Automatic Contour & TIN generation option		
		Option for collect 3D data from Stereo		
		imagery directly & 3D surfacing option		
		Should have support for industry standard		
		SAR data support. The software should be		
CAR data handelli	nα	able to identify water areas rom SAR data.		
SAR data handelli	ıβ	It should be able to extract DEM from	-	
		stereo RADRA data and should be able to	_	
		geo-reference and orthorectify SAR data.		
License Validity		Either perpetual or subscription-based		
¥		license		
Free demonstration	on	Available		
of software				

Oh, 2/1/4,