

Ref. No. 091219 – R-02

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Thru : MR. PETER SAMOSA
President, PKII

Subject : Proposal to Undertake the Acquisition of Satellite Imagery
From Digital Globe for project area of Dalton Pass

In response to your request, we are submitting herewith our-cost quotation on the above-captioned subject.



1.0 SCOPE OF WORK :

ACQUISITION OF ARCHIVED IMAGERY (Digital Globe Satellite Image)

From Digital Globe Archive 2019

World View 1 or 2 or 3 or 4

Items for submittal:

- Photo Mosaic of individual imagery for the whole area.
- Electronic file in AutoCAD format

Quality based on Digital Globe standards

HIGH QUALITY ARCHIVE IMAGERY

Ortho-Ready Standard Imagery (High Quality Digital Globe Product)

Bit Depth: 8 bit

File Format: GeoTIFF 1.0

Ground Sample Distance (Resolution): 30 to 50cm, depending on area

Pan-sharpened Imagery with 3 Bands Color and Infrared

DRA (Contrast Enhancement): DRA On

Cloud Cover <10%

Projection: UTM

Datum: WGS84

Tiling: No tiling

ORTHO PROJECTION WILL BE BASED ON GCP IF AVAILABLE

WorldView-3, the first multi-payload, super-spectral, high-resolution commercial satellite. Operating at an expected altitude of 617 km, WorldView-3 provides 31 cm panchromatic resolution, 1.24 m multispectral resolution, 3.7 m short-wave infrared resolution, and 30 m CAVIS resolution. WorldView-3 has an average revisit time of <1 day and is capable of collecting up to 680,000 km² per day, further enhancing the DigitalGlobe collection capacity for more rapid and reliable collection. Launched in 2014, the WorldView-3 systems allow DigitalGlobe to further expand its imagery product offerings.

2.0 COSTS

Satellite Image - Dalton Pass

	Item	Unit	Quantity	Unit Cost	Total Cost (PhP)
1	Satellite Image from Archive 0.4m Resolution Available (series of imagery with base of 2019 and 2018 with cloud patching of 2017)	Sq.km	185	3,200	592,000
2	Generation of contour at 1m using NAMRIA IFSAR data DTM	Sq.km	185	2,550	471,750
3	Data processing and mosaic	LS	1	100,000	100,000
			SubTotal		1,163,750.00
			12% VAT		139,650.00
			TOTAL		1,303,400.00

ELEVATION FROM IFSAR

Area
as per kmz file

Sample Imagery at 40cm resolution (urban area – NAIA)



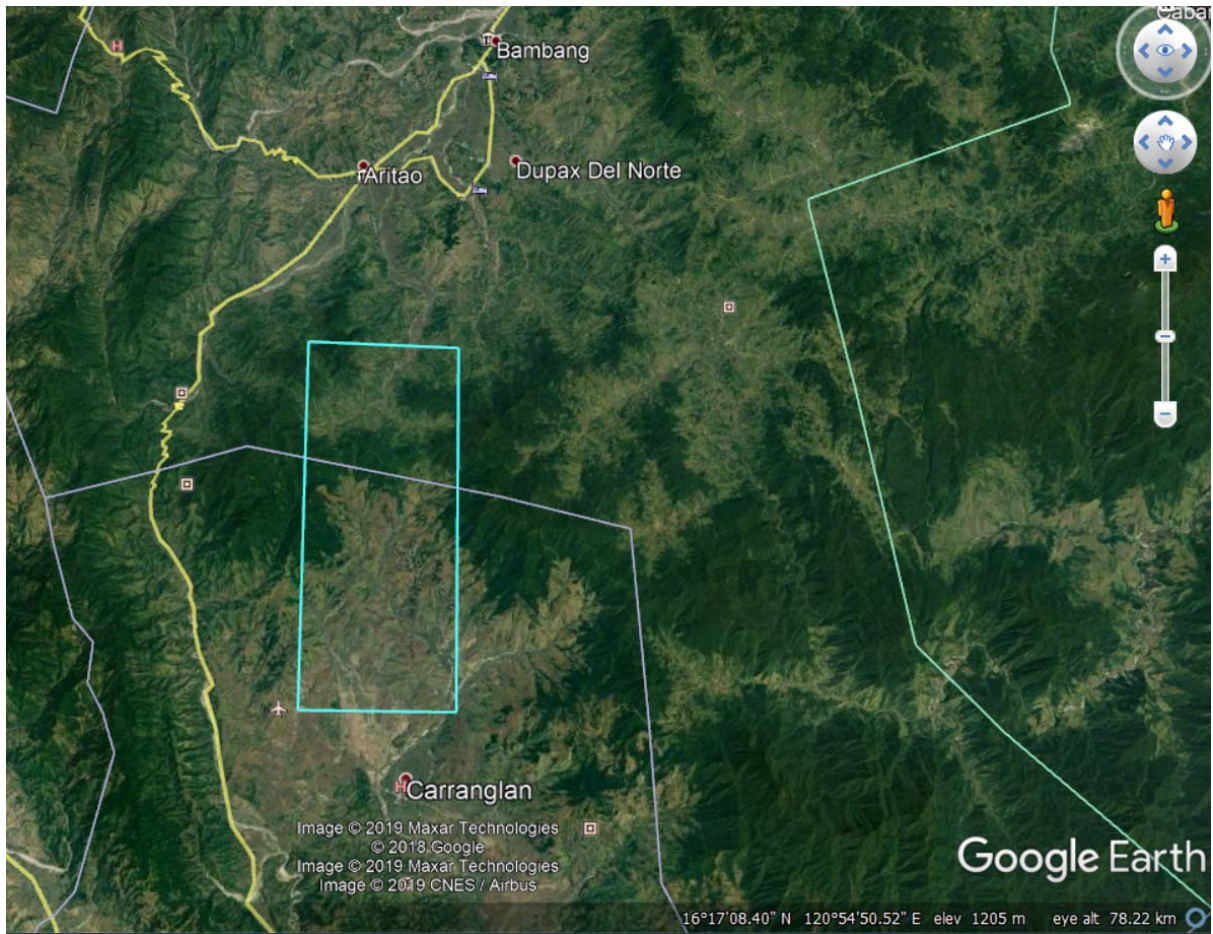
Sample Imagery at 50 cm resolution (rural area – Tacloban after Yolanda)



BEFORE

AFTER

Estimated Area of Coverage



3.0 DURATION OF WORKS: Dependent on total area,
standard 30 days for Archive

4.0 PAYMENT SCHEDULE:
 Fifty Percent (50%) upon signing of contract agreement
 Fifty Percent (50%) upon complete submission of final outputs

5.0 OTHER CONDITIONS :

- 6.1 All documents and necessary plans shall be furnished to **RASA** before commencing survey fieldwork.
- 6.2 **RASA** has the option to extend duration of work for reasons beyond control.
- 6.3 **All necessary permits, authorizations, endorsement letters and similar documents needed to access the site shall be provided by the client.**
- 6.4 **RASA** will mobilize in three (3) days upon receipt of down payment or Notice to Proceed
- 6.5 In case of mutual termination, all payments made are non-refundable.

Thank your for giving us the opportunity to quote. Should you find our proposal merits your acceptance, we will be more than willing to enter into a contract agreement with your company.

Very truly yours,

RASA SURVEYING AND REALTY

Prepared By:



RHETT L. DE GUZMAN
VP-Project Manager

CONFORME / ACCEPTED BY:

Approved:



RAYMUND ARNOLD S. ALBERTO
President

Signature over printed Name

Designation Date