



## **iHERITAGE, A Project Funded by the European Union under the ENI CBCMED Programme**

**Terms of reference for the procurement of satellite imagery and various DEMS for the WADI Musa Petra region, Jordan.**

**Published by partner PP04: Jordanian Society for Scientific Research, Entrepreneurship and Creativity (JSSREC)**

iHERITAGE is a project funded by the EU within the ENI CBCMED Programme. The purpose of the project is to develop creative methodologies and ICT applications that will promote tourism to various World Heritage sites in several Mediterranean countries. In Jordan the ancient city of Petra was selected to be targeted by this important project with an emphasis on the creation of Virtual Reality (VR) and Augmented Reality (AR) experiences that will be disseminated to the tourist before, during and after site visits.

The Jordanian Society for Scientific Research, Entrepreneurship and Creativity (JSSREC) call for offers for the following services: Procurement of satellite imagery and various DEMS for the WADI Musa Petra region, Jordan.

The following satellite products are needed for this call to tender:

It is suggested that various alternatives are individually quoted so we are able to have a wide selection to choose from.

	Area of interest	WGS 84	Zone	36N
Point 1:	Top left corner	E 732000	N	3365400
Point 2:	Bottom right corner	E 742900	N	3349700

**Or**



Point 1 Long. 35.41480132 Lat. 30.39833305  
Point 2: Long. 35.52452987 Lat. 30.25464568

Product delivered as WGS 1984 datum geographic projection UTM zone 36N  
Product(s) required:

### **Option 1 Worldview 3 with the available bands**

Please indicate the cost of each technical item individually

- 1- Stereo images 30 cm resolution all bands image for the AOI above
- 2- No correction with GCPs necessary. Mission data could be used to get the coordinates as precisely as possible.
- 3- Production of DSM and/or DTM (that can be read or easily transformed to be read by Cloud Compare) and Orthophotos
- 4- All geometric and atmospheric corrections if necessary must be included in cost above.
- 5- Cloud coverage for 15%. 10% and 5% the latter is preferable but it should be noted that the mission will be allowed for June 2021.

### **Option 2: Pleiades-1 triple stereo images with their full available bands UTM 1984 Zone 36N**

Please indicate the cost of each technical item individually

- 1- 50 cm resolution all bands image for the AOI above. Triple stereo coverage.
- 2- Correction with GCPs cost: It is most likely that we will not be able to provide these and hence the mission data could be used to get the coordinates
- 3- Production of DSM and or DTM (easily read or transformed to be read by Cloud Compare) plus Orthophoto
- 4- All geometric and atmospheric corrections if necessary must be included in cost above.
- 5- Cloud coverage: as in option 1.



## Instructions to tender

Please send your offer to [info@jssr.jo](mailto:info@jssr.jo) and [sfsrjo@yahoo.com](mailto:sfsrjo@yahoo.com) and quote on your company's letter-head in an attachment, and send it from your official company email address.

Please include in your offer your preferred method of payment. The deadline for sending an offer is at 5.00 pm Amman Jordan Time on Monday, February, 15<sup>th</sup>. The service should be implemented after the 30<sup>th</sup> of May to ensure the least cloud cover. JSSREC reserves the right to select the most appropriate offer or cancel its tender since the approval of the donor is required before any purchase is made.