Project Proposal

Production of Kunduz/Khanabad (Kunduz, Takhar and Baghlan) Sub River Basin Map based on IKONAS, QUIKBIRD AND LANDSAT Satellite Image

[A Joint project between European Commission (EC) and Afghanistan Information Management Service (AIMS)]

Introduction
Kunduz/Khanabad river which passes through Kunduz, Baghlan and Takhar provinces is the most important and vital source of water for the North East region of Afghanistan. Through Kunduz/Khanabad sub river basins all fields located both side of the river are irrigated and even in some places it is the only source of drinking water as well. In order to rehabilitate the most significant irrigation schemes in the mentioned-above area EC has started a project.

Objectives
The objective of this project is to rehabilitate the most significant irrigation schemes in North East the region.

Sources
AIMS Russian topo 1:50000 maps, AIMS settlement shape files.

Received from Infoterra
- One DVD of final Processed satellite Imagery
- 3 sets of 29 maps sheets in hard copy.
- 5 CDs of same satellite Imagery in (img) format.

Outputs
AIMS digitized all the selected irrigation schemes (54 schemes).
Prepared the layouts for all the 29 sheets based on satellite imagery.
Printed three sets of prepared final 29 map sheets for EC.

Time
The project completed in two phase of time. In Oct. 2003 most of the selected irrigation schemes were digitised based on Russian Topo 1:50000. And in Apr. 2004 all the schemes re-digitised based on the IKONOS, QuikBird Satellite Imagery.
The project is prepared in total 26 working days.

Table 2: Time Frame

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<thead>
<tr>
<th>Tasks</th>
<th>Oct-03</th>
<th>Apr-04</th>
<th>May-04</th>
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<tbody>
<tr>
<td>Degitization of Irrigation Schemes</td>
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<td>Re-degitization of Irrigation</td>
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<td>Schemes</td>
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<td>Design and preparation of Layouts</td>
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<td>Printing 3 copies of all 29</td>
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<td>prepared layout map sheets</td>
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