

## KOGA IRRIGATION AND WATERSHED MANAGEMENT PROJECT AND CONTRACT INFORMATION

---

| PROJECT PHASE                 | PROJECT INFORMATION          | DESCRIPTION   |
|-------------------------------|------------------------------|---|
| <b>PROJECT IDENTIFICATION</b> | Project owner                | Ministry of water and energy  |
|                               | Sector                       | agriculture   |
|                               | subsector                    | irrigation  |
|                               | Project name                 | Koga irrigation and watershed management  |
|                               | Project Location             | Amhara National Regional State, West Gojam Zone, Mecha Wereda   |
|                               | Purpose                      | Ensure Food Security by harvesting more than 2 times per year and thus poverty reduction & rainfed agriculture through watershed management with the participation of trained farmers in capacity building programs |
|                               | Project description          | The project is aimed to improve agricultural production in a sustainable manner   |
| <b>PROJECT PREPARATION</b>    | Project Scope (main output)  | Develop 7000ha of farmers managed irrigated agriculture by constructing an earth fill dam to impound 83 cubic meter of water in koga river  |
|                               | Environmental impact         |   |
|                               | Land and settlement impact   | Land redistribution and resettlement action plan  |
|                               | Contact details              | MoWE; Koga dam, irrigation & drainage system unit   |
|                               | Funding sources              | African development bank and the government of ethiopia   |
|                               | Project Budget               | 405 million birr  |
|                               | Project budget approval date | 14 may 2002   |

## KOGA IRRIGATION AND WATERSHED MANAGEMENT PROJECT AND CONTRACT INFORMATION

---

| PROJECT PHASE                 | PROJECT INFORMATION                          | DESCRIPTION  |
|-------------------------------|--|--|
| <b>PROJECT<br/>COMPLETION</b> | Project status (current)                     | completed  |
|                               | Completion cost (projected)                  | 895,954,607.19 Birrs*  |
|                               | Completion date (projected)                  | June 30, 2011  |
|                               | Scope at completion<br>(projected)           | 7000ha of farmers managed modern irrigation being implemented              |
|                               | Reasons for project changes                  | Delay in construction, variation of works and price escalation (variation) |
|                               | Reference to audit and<br>evaluation reports | July 2010 fisical year audit report  |

\* **Note:** the total project cost includes all costs related to construction, capacity building activities, watershed management and project management

## KOGA IRRIGATION AND WATERSHED MANAGEMENT PROJECT AND CONTRACT INFORMATION

| PHASE                       | CONTRACT INFORMATION             | DAM & ACCESS ROAD CONSTRUCTION CONTRACT   | IRRIGATION & DRAINAGE SYSTEM CONSTRUCTION CONTRACT  | DESIGN & SUPERVISION CONTRACT   |
|-----------------------------|----------------------------------|---|---|---|
| <b>CONTRACT PROCUREMENT</b> | Procuring entity                 | Ministry of water and energy  | Ministry of water and energy  | Ministry of water and energy  |
|                             | Procuring entity contact details | MoWE; Koga dam, irrigation & drainage system unit   | MoWE; Koga dam, irrigation & drainage system unit   | MoWE; Koga dam, irrigation & drainage system unit   |
|                             | Procurement process              | International competitive bidding   | International competitive bidding   | International competitive bidding   |
|                             | Contract type                    | construction  | construction  | Design & supervision  |
|                             | Contract status (current)        | Closed/completed  | closed/completed  | closed/completed  |
|                             | Number of firms tendering        | 5   | 5   | ?   |
|                             | <b>Cost estimate</b>             | <b>76,668,264.33 Birrs</b>  | <b>201,755,796 Birrs</b>  |   |
|                             | Contract administration entity   | Mott MacDonald Ltd & water Works Design & Supervision Enterprise and Metaferia consulting Engineers | Mott MacDonald Ltd & water Works Design & Supervision Enterprise and Metaferia consulting Engineers | NA  |
|                             | Contract title                   | Construction of Koga dam  | Construction of Koga irrigation system  | Design and supervision of Koga dam & irrigation system  |
|                             | Contract firm(s)                 | CJC   | CWE   | Mott MacDonald Ltd & water Works Design & Supervision Enterprise and Metaferia consulting Engineers |
|                             | Contract price                   | 76,668,264.33 Birrs   | 201,755,796 Birrs   | £ 1,389,075.00 & 7,994,348.00 Birr  |
|                             | Contract scope of work           | Construction of Koga dam  | Construction of Koga irrigation system  | Design and supervision  |
|                             | Contract duration                | 2 years   | 19 months   | 6 years   |
|                             | Contract start date              | November 25, 2004   | June 13, 2005   | April 8, 2008   |

## KOGA IRRIGATION AND WATERSHED MANAGEMENT PROJECT AND CONTRACT INFORMATION

| PHASE                          | CONTRACT INFORMATION                   | DAM & ACCESS ROAD<br>CONSTRUCTION CONTRACT                     | IRRIGATION & DRAINAGE<br>SYSTEM CONSTRUCTION<br>CONTRACT       | DESIGN & SUPERVISION<br>CONTRACT                               |
|--------------------------------|--|--|--|--|
| <b>CONTRACT IMPLEMENTATION</b> | Variation to contract price            | 6,000,000.06 Birrs   | -  | -  |
|                                | Escalation of contract price           | 27,195,689.70 Birrs  | 182,987,637.00 Birrs   | £553,496.00 & 12,901,523.00 Birrs                              |
|                                | Variation to contract duration         | 2 years & 8 months   | 4 years & 4 months   | 3 years & 7 months   |
|                                | Variation to contract scope            | Variation of works that were missed in the design              | Variation of works that were missed in the design              | Additional design works that were missed during design stage   |
|                                | Reasons for price changes              | Variation of works, delay in construction and price escalation | Variation of works, delay in construction and price escalation | Variation of works, delay in construction and price escalation |
|                                | Reasons for scope and duration changes | Incompleteness of the original design                          | Incompleteness of the original design                          | Incompleteness of the original design                          |