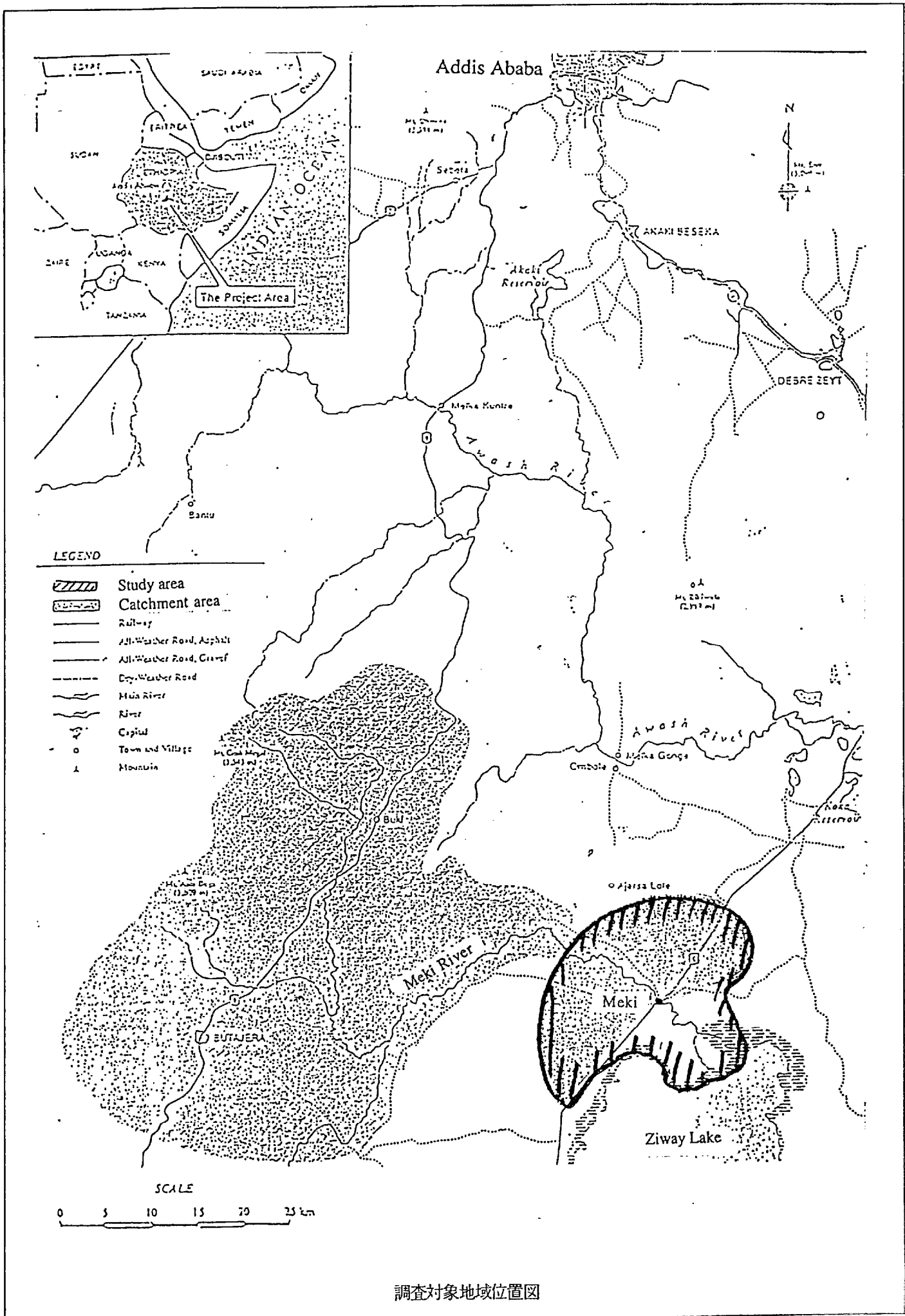


エティオピア国  
メキ地域灌漑・農村開発計画調査  
事前調査報告書

平成12年6月

国際協力事業団



調査対象地域位置図



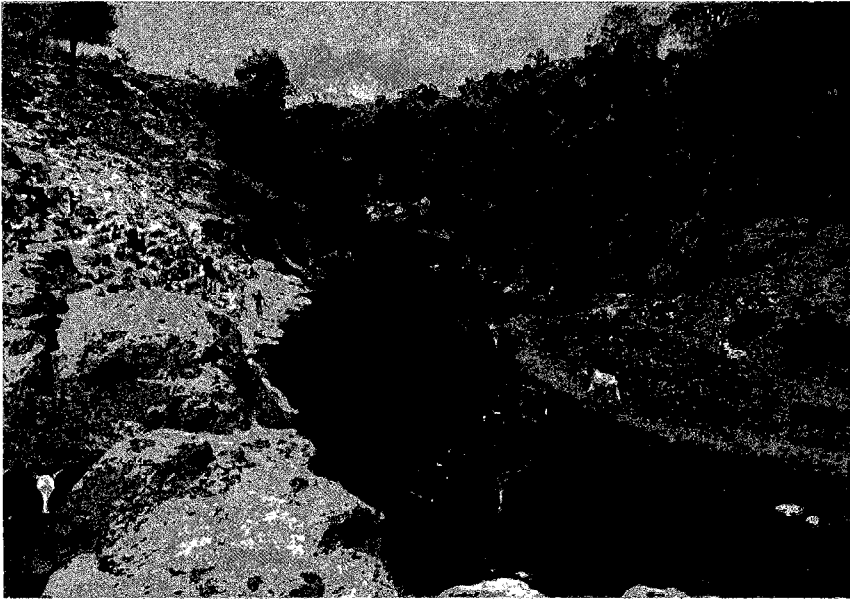
メキシ市の入口外観  
(1999年2月JICAエティオピア事務所撮影)  
橋はメキシ川に架かっている。



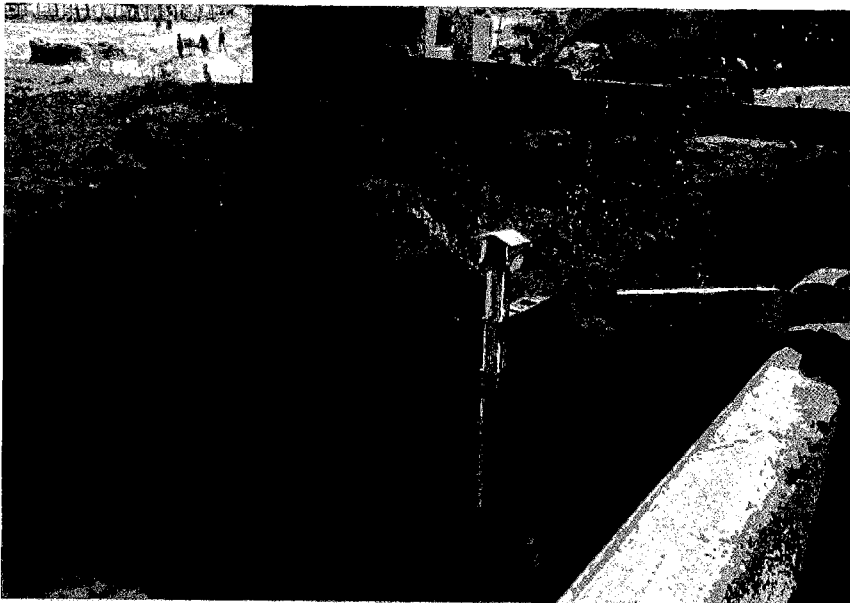
メキシ川からの取水状況（中流部）  
ポンプは個人所有。



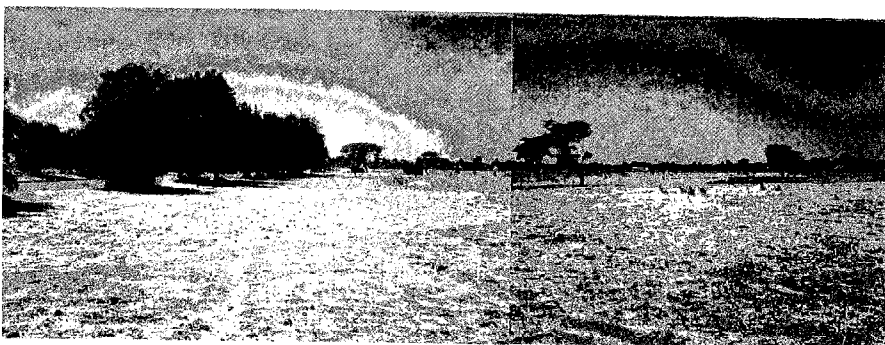
灌漑状況（中流部）



ダム建設候補地  
写真奥が上流域



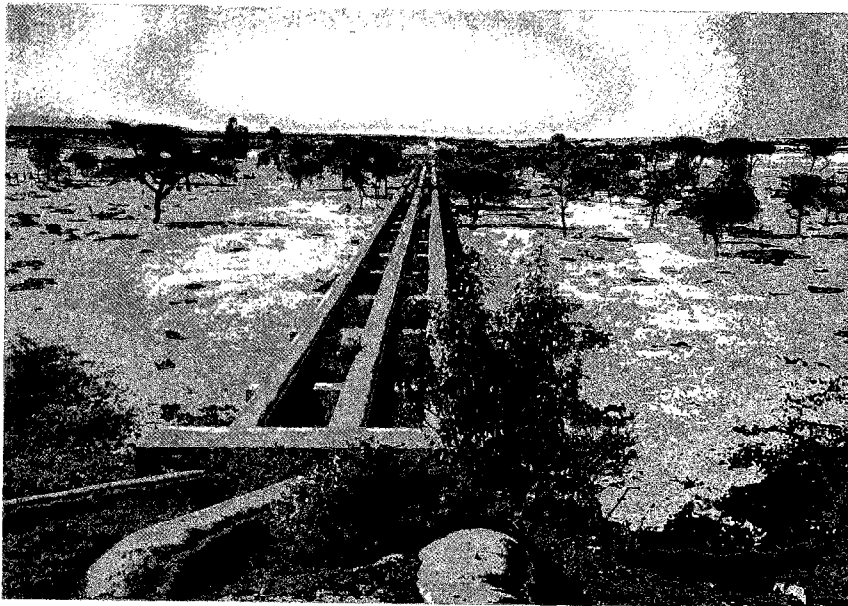
メキシ市に架かる橋付近に設置された水位計  
乾期のため水量が不足しており観測不可能



メキシ市から15km程南の天水農業地域  
(1999年2月JICAエティオピア事務所撮影)



北朝鮮の援助により建設された  
Ziway湖の揚水機場  
導水路で採れた魚を売る  
マーケットが開かれていた。



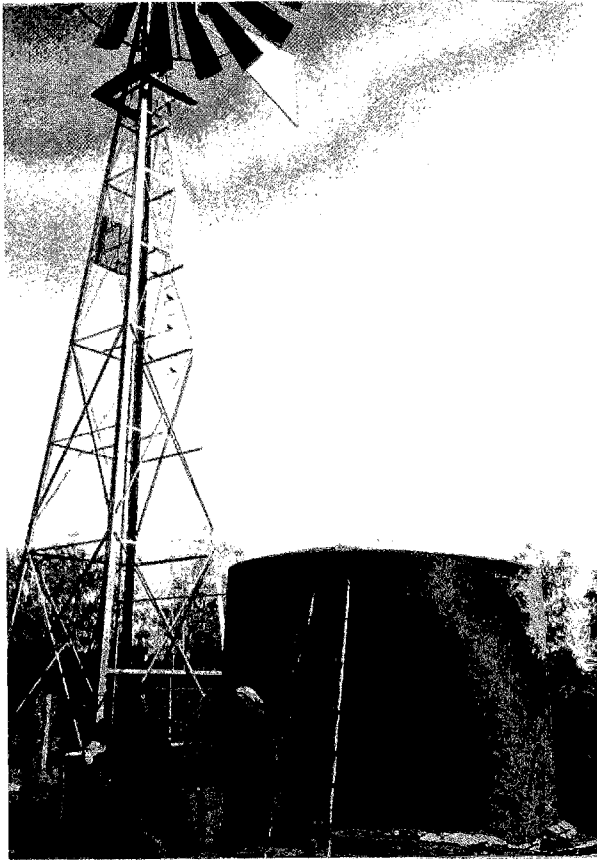
Ziway湖（写真奥）から取水された水は  
個々から土水路で送水し、  
最終的にメキ川に注がれる



メキ川下流部右岸のキャベツ畑  
Ziway湖の水をメキ川から  
ポンプアップして灌漑している。  
奥に見えるのはオモロ族の茅葺き住居



メキ川下流部左岸の栽培状況  
パパイヤも栽培されている



風車を使った給水施設



メキ市内にある牛のレンタル市場

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# 第1章 調査の概要

## 1 - 1 調査目的

エチオピア連邦共和国オロミア州政府の要請に基づき、住民の生活環境改善を図るため、同州メキ地域（350km<sup>2</sup>）を対象とした、農村開発計画に係るマスタープランの策定等の実施を目的とする。

今回は、本案件に係る要請背景及び実施調査の内容についてオロミア州政府と協議を行うとともに、我が国の協力の可能性を検討のうえ、調査の範囲、内容等に係る実施細則（S/W）に署名することを目的として事前調査団を派遣するものである。

## 1 - 2 調査団構成

氏名	担当分野	所属
西牧 隆壯	総括	国際協力事業団農林水産開発調査部部長
石井 卓朗	農業	農林水産省農林水産技術会議事務局企画調査課研究調査官
木村 安邦	農業農村基盤	農林水産省構造改善局建設部設計課海外土地改良技術室
浅井 誠	調査企画	国際協力事業団農林水産開発調査部農林水産開発調査課
三好 崇弘	農村・社会開発	株式会社福山コンサルタント

## 1 - 3 調査日程

月日	曜日	調査日程	調査内容
3/17	金	14:00	成田（JL407） フランクフルト（ET755）
3/18	土	08:00	アディス・アベバ着
3/19	日		休日
3/20	月	09:30 11:00 14:00	事務所打合せ MEDaC 表敬 大使館表敬
3/21	火	09:00 16:00	アマゾナス州農牧開発院表敬（OIDA）、S/W 協議 SG2000 事務所表敬
3/22	水		移動、SG2000 サイト視察（Arsi zone）、移動（メキ、Ziway）
3/23	木		Agricultural Office 表敬・聞き取り、現地視察（メキ川上流地域）
3/24	金		現地視察（メキ川下流地域）、Agricultural Office 聞き取り
3/25	土		移動（Ziway アディス・アベバ）
3/26	日		休日
3/27	月		S/W、M/M 協議
3/28	火	11:30 13:30 15:00	署名（於 OIDA） 報告・署名（於 MEDaC） 大使館・事務所報告（於大使館）
3/29	水	11:45	石井、木村、三好：移動（ET734） フランクフルト（JL408） 3/30 16:05 成田 西牧、浅井：移動（ET831） ナイロビ（別件出張後 4/2 帰国）



#### 1 - 4 主要面会者

##### (1) 在エチオピア国日本大使館

野上 武久	大使
中須賀 聡	一等書記官
吉田 晴彦	一等書記官

##### (2) オロミア州灌漑開発庁 ( OIDA )

Mr. Amdisa Kelkela	General Manager
Mr. Teshome Atnafie Guyo	Head, Study and Design Department
Mr. Teshome Lemma	Leader, Study and Design team
Mr. Belay Melkamu	Leader, Construction Supervision team

##### (3) Agricultural Office of Dugda-Bola District

Tamirat Tefera	Head
Tegaghe Wakoya	District Coordinator

##### (4) 経済開発協力省 ( MEDaC )

Hailemichael Kinfu	Head, Bilateral Cooperation Department
Tassew Bekele	Team Leader, Asian and Australian Team, Bilateral Cooperation Department

##### (5) 笹川グローバル2000 ( SG2000 )

Marco Quiones	Country Director
Takele Gebre	
Bisrat Retu	

## 第2章 要請背景

### 2 - 1 要請の背景及び経緯

エチオピア国の農業は全就業人口の74%、GDPの約40%を占める基幹産業である。30年に及んだエリトリアの分離・独立に伴う内戦は流通システムや灌漑施設等の農業経済/生産基盤に大きな打撃を与え、加えて周期的に発生する干ばつにより食料不足が深刻な課題となっている。エチオピア国政府は「The Ethiopian National Economic Development Plan 95/96 ~ 99/2000」において、食料自給の達成、エチオピア農業の国際競争力の向上を上位目標として、農業分野、特に農業人口の95%を占める小規模農家に重点を置いた国家開発計画を打ち出している。

本調査対象地域があるオロミア州は、エチオピア国中央に位置し、国土の34%、全人口の37%を有する最大の州であり、同州全体にわたり農業が広く行われている。なお、オロミア州政府もエチオピア国政府同様、1)食料自給の達成、2)国内産業への原料供給、3)雇用創出、4)外貨獲得、5)環境保全、を開発目標として掲げており、農業をその重点分野としている。

本対象地域は、首都アディス・アベバから南へ130km、標高1,700m付近のリフトバレー内に位置するメキシ市を中心とした地域(400km<sup>2</sup>)で、一部でメキシ川及びその下流のZiway湖からのポンプアップによるタマネギ、キャベツ等の栽培が行われているほかは、多くは天水(年間750mm程度)によるトウモロコシ、テフ等雑穀の栽培に牛を中心とする放牧を組み合わせた、サブサハラの典型的な農業が行われている。地形はほぼ平坦で、幹線道路に隣接しており、エチオピア全土からみて農牧畜の開発ポテンシャルは比較的高いと考えられる。

しかしながら、過放牧、過耕作及び風食による土壌流出とそれに伴う地力の低下並びに、乾期及び周期的に発生する干ばつ時の水不足により、農業生産性は低く、極めて不安定である。

このような状況にかんがみ、エチオピア国は1996年10月我が国政府に対し、メキシ地域を対象とした水源確保による灌漑及び農村開発計画策定に係る技術協力を要請してきた。

これに対し我が国は、2000年3月に事前調査団を派遣した。

### 2 - 2 先方関係機関概要

エチオピア国の行政等の組織として、連邦(Federal)、州(Region)、圏(Zone)、区(District/Wereda)及びCommitteeレベル(Peasant Association/Kebele)の組織が段階的に存在し、現在州レベルへ開発計画の策定及び実施の権限が委譲されている。本調査に係る機関及び概要は次のとおりである。

(1) 経済開発協力省: Ministry of Economic Development & Cooperation (MEDaC) 連邦政府の外国援助機関との窓口機関である。

(2) オロミア州灌漑開発庁：Oromia Irrigation Development Authority (OIDA)

本調査のカウンターパート機関。オロミア州水資源鉱業エネルギー開発局（Water Mining Energy Resource Development Bureau：(WMERDP)）及び農業局（Bureau of Agriculture）の業務のうち、灌漑事業を一括して担当する部局として1999年9月に新設された（資料1にOIDA設立に係る法令を示す）。業務内容については、Technical Assistants (Study, Research, Design)：立案・設計、Construction：建設、Extension & Management：普及・指導、Community Mobilization：住民組織化に大別され、水資源開発から普及までを含め、農民に対し総合的な働きかけを行っている。

なお、建設についてはPeasant Associations（PA：詳細は第3章3-1(8)を参照）に事業費の10%の負担を求め、残りはOIDAがFinancial Assistantsとして負担する。現在、州内に104のプロジェクト（Completed Irrigation Schemes）を実施しており、そのうち8 Schemesについては公示が完了している。OIDAは小規模（0～200ha）、中規模（200～3,000ha）を中心とした灌漑事業を実施しており、大規模（3,000ha以上）はまだ実施されていない。OIDAプロジェクトの位置図及び内訳をそれぞれ表2-1、図2-1に示す。

各区（District）にはOIDAの末端組織としてAgricultural Officeが存在し、区内の耕地面積、作付け面積等の情報が入手可能である。なお、詳細な土地利用状況（土地利用者、利用面積等）はAgricultural Officeではなく、PAで把握されている。

(3) オロミア州農業局：Bureau of Agriculture

灌漑以外の天水農業地域における農業農村開発、土壌保全対策事業及び小規模ポンプ灌漑のWater Managementを担当する。また、環境影響評価（Environmental Impact Assessments：EIA）も担当する。

(4) オロミア州水資源鉱業エネルギー開発局：Water Mining Energy Resource Development Bureau (WMERDP)

ダムなどの大規模な水資源開発等を担当する。メキ川をはじめとするオロミア州内にある河川の流量データ管理を行っており、本調査において必要なデータはOIDAを通じてWMERDPから入手することになる。



Waggaa 7<sup>maa</sup> ..... Lak. 4  
 ፯ኛ ዓመት ..... ቁጥር ፩  
 7<sup>th</sup> year ..... No. 4

Finfinnee, Adoolessa 1/1991  
 ረገሬኒ ሐምሌ ፩ ቀን ፲፱፻፺፩  
 Finfine, July 8<sup>th</sup> 1999

# MAGALATA OROMIYAA

## መ ገ ለ ተ ኦ ሮ ሚ ያ

# MEGELETA OROMIA

Gatiin Tokkoo ..... 3-20 የገዳ ዋጋ ..... ” Unit Price. .... ”	Too'annaa Caffee Mootummaa Naannoo Oromiyaatiin Kan Bahe በኦሮሚያ ክልላዊ መንግሥት ም/ቤት ጠባቂነት የወጣ	Lakk. S. Poostaa ..... 101769 የፖ.ሣ.ቁጥር ..... ” P.O.Box ..... ”
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<b>QABEENTAA</b> Labsii Lakk. 30/1991 Labsii Abbaa Taayitaa Misooma Jallisiil Mootummaa Naannoo Oromiyaa hundeesuuf bahe ..... fuula 1	<b>ማውጫ</b> አዋጅ ቁጥር ፩/፲፱፻፺፩ የኦሮሚያ ክልላዊ መንግሥት የመስኖ ልማት ባለሥልጣን ማቋቋሚያ አዋጅ ..... ገጽ ፩	<b>CONTENT</b> Proclamation No. 30/1999 Oromia Regional State Irrigation Development Authority Establishment Proclamation ..... Page 1
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<u>Labsii Lakk. 30/1991</u> <u>Labsii Abbaa Taayitaa Misooma Jallisiil Mootummaa Naannoo Oromiyaa Hundeesuudhaaf Bahe</u> Misooma Jallisiil Naannoo Oromiyaa baballisuufii mindhaan nyaataatiin of danda'uudhaaf, rooba yeroo eeggatee roobuu qofa irratti hundaa'uun ghaa ta'ee waan hin argaminiif Qaama mootummaa kan mataa isaa danda'e dhaabuudhaan hojii misooma Jallisiil baballisuun barbaachisaa ta'ee waan argameef. Heera Mootummaa Naannoo Oromiyaa keewwataa 49 (3) (a)tiin kan armaan gadii labsameera. 1. <u>Mata Duree Gabaabaa</u> Labsiin kuni "Labsii Abbaa Taayitaa Misooma Jallisiil Mootummaa Naannoo romiyaa hundeesuuf bahe lakk. 30/1991" jedhamee waamamu ni danda'a.	<u>አዋጅ ቁጥር 30/1991</u> <u>የኦሮሚያ ክልላዊ መንግሥት የመስኖ ልማት ባለሥልጣን ለማቋቋም የወጣ አዋጅ</u> የክልሉን የመስኖ ልማት ለማስፋፋትና በምግብ ሰብል ራስን ለመቻል ወቅት ጠብቆ የሚገልጽ ዝናብ ብቻውን በቂ ሆኖ ባለመገኘቱ፤ ራሱን የቻለ መንግሥታዊ አካል በማቋቋም የመስኖ መሰረተ ልማትን ማስፋፋት አስፈላጊ ሆኖ በመገኘቱ፤ በኦሮሚያ ክልላዊ መንግሥት ሕገ መንግሥት አንቀጽ 49(3)(ሀ) መሠረት የሚከተለው ታውጇል። ፩. አጭር ርዕስ ይህ አዋጅ “የኦሮሚያ ክልላዊ መንግሥት የመስኖ ልማት ባለሥልጣን ማቋቋሚያ አዋጅ ቁጥር ፩/፲፱፻፺፩” ተብሎ ሊጠቀስ ይችላል።	<u>A PROCLAMATION TO ESTABLISH THE IRRIGATION DEVELOPMENT AUTHORITY OF THE OROMIA REGIONALS STATE</u> WHEREAS, it is found necessary to develop and expand irrigation schemes in the Oromia Region, since seasonal rainfalls alone can not secure food self sufficiency; WHEREAS, it is necessary to establish an independent Government organ which can carry out the development of irrigation schemes; NOWTHEREFOR, in accordance with Article 49(3) (3) (a) of the Constitution of the Oromia Regional State, it is hereby proclaimed as follows: 1. <u>Short Title</u> This Proclamaion may be cited as the “Oromia Regional State Irrigation Development Auhority Establishment Proclamation No.30/ 1999.”
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2. **Hiika**  
Labsii kana keessatti:
1. "Boordii" jechuun Boordii Abbaa Taayitaa Misooma Jallisii Naannoo Oromiyaati.
  2. "Caffee" jechuun Caffee Mootummaa Naannoo oromiyaa-tti.
  3. "Ittifayyadamaa" jechuun nama ykn dhaaba misooma jallsiitti fayyaddamu hundaa jechuu dha.
  4. "Koree Hojii Raawwachiiftuu" jechuun koree hojii raawwachiiftuu Caffee Mootummaa Naannoo Oromiyaatti.
  5. "Misooma Jallisii" jechuun laga jallisuu, ijaarsa ittisa bihsaanii hojiiwwan qonna keessatiif hojiiwwan ijaarsa jallisii kan wal fakkaatan ijaaruu jechuudha.
  6. "Mootummaa" jedhuun Mootummaa Naannoo, Oromiyaati.
  7. "Naannoo" jechuun Naannoo Oromiyaatii.
3. **Hundeeffama**  
Abbaa Taayitaa Misooma Jallsii Mootummaa Naannoo Oromiyaa (armaan boodaa "Abbaa Taayitaa" jedhamee kan waamamu) qaama seerumaa kan qabu labsii kanaan dhaabbateera.
4. **Kaayyolee**  
Abbaan Taayitachaa kaayyolee armaan gadii ni qabaata:
1. Iddoo barbaachisaa ta'eetti hojii qorannoo, dizaayinii fi ijaarsa misooma jallsii gagg-eessuudhaan hanqina midhaan nyaataa kaa fooya'u gochuu.
  2. Guddini hawwaasumaa fi dinagedee qotee bulaa akka arifatuu haala mijeesuu;
  3. Ummannii qorannoo, ijaarsa, eegumsaa fi bulchiinsa jallsii keessatti qooda ol'aanaa akka qabaatuu fi itti fayyadamu taasisuu.
5. **Waaajira Ol'aana**  
Waaajiri Ol'aanaa Abba Taayitachaa Finfinnee ta'ee akka barbaachisaa ta'etti Naannoo Oromiyaa keessatti waaajiralee damee qabaachuu ni danda'a.
6. **Angoo fi Hojiiwwan Abbaa Taayitaa**  
Abbaan Taayitaa aangoo fi hojiiwwan armaan gaditti ibsaman ni qabaata:
1. Imaammata, tarsimmoowan, seeraa fi dambii hojii Abbaa Taayitachaa ilaalan qopheessuudhaan Boordiiif ni dheyeessa; yoo heyyamame hojii irra ni olcha;

- ፪. ትርጓሜ  
በዚህ አዋጅ ውስጥ፡-
- ፩. "ቦርድ" ማለት የኦሮሚያ ክልላዊ መንግሥት የመስኖ ልማት ባለሥልጣን ቦርድ ነው።
- ፪. "ምክር ቤት" ማለት የኦሮሚያ ክልላዊ መንግሥት ምክር ቤት ነው።
- ፫. "ተጠቃሚ" ማለት በመስኖ ልማት የሚጠቀም ማናቸውም ሰው ወይም ድርጅት ነው።
- ፬. "ሥራ አስፈጻሚ ኮሚቴ" ማለት የኦሮሚያ ክልላዊ መንግሥት ምክር ቤት ሥራ አስፈጻሚ ኮሚቴ ነው።
- ፭. "የመስኖ ልማት" ማለት የወንዝ ጠለፋ፣ የግድብ ግንባታ፣ የእርሻ ውስጥ ሥራዎችና ሌሎች ተዛማጅ የመስኖ ሥራ ግንባታዎች ማለት ነው።
- ፮. "መንግሥት" ማለት የኦሮሚያ ክልላዊ መንግሥት ነው።
- ፯. "ክልል" ማለት የኦሮሚያ ክልል ነው።
- ፲. ስለመቋቋም  
የኦሮሚያ ክልላዊ መንግሥት የመስኖ ልማት ባለሥልጣን (ከዚህ በኋላ "ባለሥልጣን" እየተባለ የሚጠራ) ራሱን የቻለ ሕጋዊ ሰውነት ያለው የመንግሥት አካል ሆኖ በዚህ አዋጅ ተቋቋሟል።
- ፱. አላማዎች  
ባለሥልጣኑ የሚከተሉት ዓላማዎች ይኖሩታል፤
- ፩. ለመስኖ ተስማሚ በሆኑ ቦታዎች የመስኖ መሠረተ ልማቶችን ጥናት፣ ዲዛይንና ግንባታ በማካሄድ የምግብ ሰብል አጥረት እንዲሻሻል የማድረግ፤
- ፪. የገበሬው ማህበራዊና ኢኮኖሚያዊ ዕድገት እንዲፋጠን ሁኔታዎችን የማመቻቸት፤
- ፫. ሕብረተሰቡ በመስኖ ጥናት ግንባታ፣ ጥበቃና አስተዳደር ውስጥ ከፍተኛ ተሳትፎ እንዲያደርግና ተጠቃሚ እንዲሆን የማድረግ።
- ፭. ዋና መሥሪያ ቤት  
የባለሥልጣኑ ዋና መሥሪያ ቤት ፊንፊኔ ሆኖ እንደአስፈላጊነቱ በኦሮሚያ ክልል ውስጥ ቅርንጫፍ ጽ/ቤቶች ሊኖሩት ይችላል።
- ፮. የባለሥልጣኑ ሥልጣንና ተግባር  
ባለሥልጣኑ የሚከተሉት ሥልጣንና ተግባር ይኖሩታል፤
- ፩. የባለሥልጣኑ ሥራ የሚመለከቱ ፖሊሲዎችንና ስትራቴጂዎችን፣ ሕጎችንና ደንቦችን አዘጋጅቶ ለቦርዱ ያቀርባል፤ ሲፈቀድም ሥራ ላይ ያውላል፤

2. **Definitions**  
In this Proclamation:
1. "Board" means the Board of the Irrigation Development Authority of the Oromia Regional State.
  2. "Council" means the Oromia Regional State Council.
  3. "Beneficiary" means any person or organization that benefits from the irrigation development scheme.
  4. "Executive Committee" means the Executive committee of the Oromia Regional State.
  5. "Irrigation Development" means the construction of river diversions, dams, farm structure and other related irrigation construction works.
  6. "Government" means the Oromia Regional Government.
  7. "Region" means the Oromia Region.
3. **Establishment.**  
The Oromia Regional State Irrigation Development Authority (hereinafter referred to as "the Authority") is hereby established as an autonomous organ of the Regional Government.
4. **Objectives**  
The Authority shall have the following objectives:
1. To undertake the study, design and construction works of irrigation schemes in suitable areas of the Region in order to secure food self-sufficiency.
  2. To contribute towards hastening the socio-economic development of the agrarian community.
  3. To enable the community to participate, in the study, construction and administration of irrigation projects and benefit from them.
5. **Head Office**  
The Authority shall have its head office in Finfinne and may establish branch offices as may be necessary.
6. **Powers and Duties of The Authority**  
The Authority shall have the following powers and duties:
1. Initiate and submit policies, strategies, laws and regulations related to the authority's functions to the Executive Committee and implement the same upon approval;

2. Qorannoo, Dizaayiniifii Ijaarsa projektoota Jalisii xixiqqaa ni raawwataa; ni rawwachiisa; Qorannoo jallisii ni raawwata, ni raawwachiisa, ijaarsa proojektoota jallisii jidu galessaafi gurdguddaa intarpraayiziin ijaarsa hojiiwwaan bishaanii ykn kontraaktarri biraa akka hojii-atu ni taasisa;
  3. Ijaarsii isaanii kan raawwatame bu'ura misooma jallisii itti fayyadamtootaaf dabarsee ni kenna; qaamoota bulchinsa Godinaa, Aanaa, Gandootaa fi miti-mootummaa wajjiin waltahuudhaan nageenya isaanii ni eega; akka barbaachisaa ta'eetti humna fayyadamtootaa ol yoo ta'e hojii haroomsuu fi suphuu ni gagg-eessaa;
  4. Qorannoo fi dizaayin eegumsaa biyyoo fi bishaanii kan bu'ura misooma jallisii wajjiin wal qabataa ni gageessa; rawwanaa isaatiifis dhaabiilee Mootummaa fi dhuunfaa wajjin wal ta'e;
  5. Itti fayyadamtoonni misooma jallisii tajaajila ekisteenshiinii jallisii argachuudhaan faayidaa jallisii irraa argatan akka guddisaan ni godha;
  6. Qaamoota dhimmii ilaalu wajjin wal ta'uudhaan rakkoolee gara garaa kan akka dhibee bishaan irraa dhufu, hazbaa bishaanii, kkf kan misooma jallisii wajjin wal qaabate ni to'ata;
  7. Seera irratti hundaaudhaan qotee bultoota ykn namoota biraa sababa ijaarsa misooma jallisii qabeenya isaanii irratti miidhaan gaheef beenyaan akka kaffalamuuf ni taasisa;
  8. Qabeenya ni qabaata; waliigaltee ni seena; nin himata; ni himatama;
  9. Fiixaan bahiina kaayyoo isaatiiif kan gargaaran hojiiwwaan biraa ni raawwata.
7. *Gurmaawina*  
Abbaan Taayitichaa:
- 1) Boordii,
  - 2) Hojii Adeemsisaa Ol'aanaa,
  - 3) Itti gaafatamtootaa fi Hojjattoota barbaachisaa ta'an ni qabaata.
8. *Boordii*
- 1) Abbaan Taayitichaa koree hojii raawwachiiftuun kan mudamu dura taa'aa Boordii tiifi miseensoota Boordii 5-7 ni qabaata.

- ፩. የአካላት ምስክር መሠረት ልማት ፕሮጀክቶችን ጥናት፣ ዲዛይንና ግንባታ ይፈጽማል፣ ያስፈጽማል፣ የመስኖ መሠረት ልማት ፕሮጀክቶችን ጥናት ይፈጽማል፣ ያስፈጽማል፣ ግንባታቸውም በአሮሚያ ወግ ሥራዎች ኮንትራክቸን ኢንተርፕራይዝ ወይም በሌላ ኮንትራክተር እንዲካሄድ ያደርጋል።
- ፪. ግንባታቸው የተጠናቀቁትን የመስኖ መሠረት ልማቶች ለተጠቃሚዎች በማስረከብ ከሆነ፣ ከወረደና ከቀበሉ የመስተዳድር አካላት እንዲሁም መንግሥታዊ ክልሆኑ ድርጅቶች ጋር በመተባበር ደህንነታቸውን ይጠበቃል። ይቆጣጠራል። እንደአስፈላጊነቱ ከተጠቃሚው አቅም በላይ የሆነ እድሳትና ጥገና ያከናውናል።
- ፫. ከመስኖ መሠረት ልማት ጋር ተዛማጅ የሆነ የአፈርና የውሃ ፅቀባ ጥናትና ዲዛይን ይሠራል። ለተግባራዊነቱም ከተለያዩ የመንግሥትና የግል ድርጅቶች ጋር ይተባበራል።
- ፬. ተጠቃሚዎች በመስኖ በመታገዝ ምርታማነትን እንዲያሳድጉ ለማስቻል ተገቢውን የመስኖ ኤክስቴንሽንና ሌሎች መሰል አገልግሎቶችን ይሰጣል።
- ፭. ከመስኖ መሠረት ልማት ጋር በተያያዘ ሊከሰቱ ከሚችሉት እንደ ወላደ በሽታ፣ የውሃ ብክለትና የመሳሰሉት አደጋዎችን ለመቆጣጠር ከተለያዩ አካላት ጋር በመተባበር ይሠራል።
- ፮. በመስኖ መሠረት ልማት ግንባታ ምክንያት በንብረታቸውና በይዘታቸው ላይ ጉዳይ ለሚደርስባቸው አርሶ አደሮች ወይም ሌሎች ሰዎች በሕግ መሠረት ካሳ እንዲከፈላቸው ያደርጋል።
- ፯. የንብረት ባለቤት ይሆናል። ውል ይጥጥላል። በስሙ ይከሰዳል። ይከሰሳል።
- ፱. ለአላማዎቹ ስኬታማነት የሚረዱ ሌሎች አስፈላጊ የሆኑ ተግባራትን ያከናውናል።
- ፲. አደረጃጀት ባለሥልጣኑ፡-
- ፩) ቦርድ፣
- ፪) ዋና ሥራ አስኪያጅ፣
- ፫) ኃላፊዎችና ሌሎች ሠራተኞች ይኖሩታል።
- ፬) ቦርድ፣
- ፭. ባለሥልጣኑ በሥራ አስፈጻሚ ኮሚቴ የሚሾም የቦርድ ሰብሳቢና ከ5-7 የሚደርሱ አባላት ይኖሩታል።

2. Undertake and cause the undertaking of the study, design and construction of small-scale irrigation development projects. And cause the under taking of the construction of irrigation projects by Oromia Water Works Construction Enterprise or by any other contractor;
  3. Recommission the completed irrigation schemes to the beneficiaries, follow up and supervise the safety of the scheme in collaboration with NGOs, Zone, district and Keble administrative organs and conduct the rehabilitation and maintenance of the same where it is found to be beyond the capacity of the beneficiaries;
  4. Undertake the study and design of soil and water conservation activities related to irrigation schemes, and collaborate with Governmental and private organizations for implementation of the same;
  5. Avail Irrigation extension and other services to the beneficiaries so as to make them enhance their productivity with the use of irrigation schemes;
  6. Cooperate with concerned bodies to control water borne disease, water pollution and others that may occur as a result of irrigation development;
  7. Based on law, cause payment of compensation to those affected by the construction of irrigation schemes;
  8. Own property, enter into contract, sue and be sued in its name;
  9. Perform other activities as deemed necessary for the attainment of its objectives.
7. *Organization*  
The Authority shall consist:
1. A Board,
  2. A General Manager,
  3. Heads and other necessary employees.
8. *Board*
1. The Authority shall have a chairperson to be appointed by the Executive committee and 5-7 members of the Board.

- 2) Itti waamamni isaatis koree hojii raawwachiiftuutiif ni ta'a.
- 9. *Aango fi Hojii Boordii*  
Boordiin aangoo fi hojii armaan gadii ni qabaata:
  - 1. Hojii Adeemsisaa ol'aanaa Abbaa Taaitichaa filatee koree Hojii Raawwachiiftuutiif ni dhiyeessa;
  - 2. Imaamataa fi seerawwaan abbaa taayitichaa qopheessudhaan koree hojii raawwachiiftuutiif ni dhiyeessa;
  - 3. Karoorra waggaa fi baajataa abbaa taayitichaa koree hojii raawwachiiftuutiif ni dhiyeessa;
  - 4. Haala hojjattootni kontirataan qaxaraman ilaalchisee yaada Hojii Adeemsiisaa Abbaa Taayitichaa irraa dhyaatu qoratee qajeelfama ni baasa;
  - 5. Abbaan taayitichaa karaa humna namaa, qabeenyaa fi maanajimeentitiin haala itti jajjabaatu ni qorachisa. Yoo bu'aa qabaates hojii raawwachiiftuf dhiyeessee ni murteessisa;
  - 6. Dambi Boordichi ittin bulu baasee hojiirra ni oolcha;
  - 7. Sababa misooma jallisiitiin namoota qabeenya irraa buqqaa'an akkasumas rakkoo itti fayyadama bishaanii fi lafaa wajjiin walqabatan irraatti mariachuudhaan murtii ni kenna;
  - 8. Humni namaa, qabeenyifii mahaallaqni Abbaa Taayitichaa seeraan hojii irraa ooluu isaa ni to'ata;
  - 9. Hundeeffama, aangoofii hojiin koreewwan sadarkaa adda addaatti dhaabbatan-iif qajeelfama ni baasa;
  - 10. Qajeelfama barbaacjiiisaa ta'ee baasuu ni danda'a;
  - 11. Hojii biraa kaayyoo abbaa taayitichaatiif faayidaa kan kennu ni raawwata.
- 10. *Sirna Walgahii Boordichaa*
  - 1. Boordichi ji'a tokkotti al tokko walgahii ni godha. Yaa ta'u malee Abbaa Taayitichaa ykn koree Hojii Raawwachiiftuu irraa ykn miseensota Boordichaa keessaa gamiisaa oliin gaaffiin yoo dhiyaate yeroo barbaadetti walgahii godhuu ni danda'aa.
  - 2. Miseensota Boordii keessaa 2/3 yoo argammaan yaa'iin guutuu ni ta'aa;

- ፪. ቦርዱ ተጠሪነቱ ለሥራ አስፈጻሚ ኮሚቴ ይሆናል።
- ፫. የቦርዱ ሥልጣንና ተግባር ቦርዱ የሚከተሉት ሥልጣንና ተግባሮች ይኖሩታል፡፡
  - ፩. የባለሥልጣኑን ዋና ሥራ አስኪያጅ መርጦ ለሹመት ለሥራ አስፈጻሚ ኮሚቴ ያቀርባል፡፡
  - ፪. የባለሥልጣኑን ፖሊሲዎችና ሕጎች አዘጋጅቶ ለሥራ አስፈጻሚ ኮሚቴ ያቀርባል።
  - ፫. የባለሥልጣኑን አመታዊ እቅድና በጀት መርምሮ ለሥራ አስፈጻሚ ኮሚቴ ያቀርባል፡፡
  - ፬. በኮንትራት የሚቀጠሩ ሠራተኞችን አስመልክቶ ከባለሥልጣኑ ዋና ሥራ አስኪያጅ የሚቀርብለትን ኃሳብ መርምሮ መመሪያ ያወጣል፡፡
  - ፭. ባለሥልጣኑ በሰው ኃይል፣ በንብረትና በሥራ አመራር የሚጠናክርበትን ሁኔታ ያጠናል፡፡ ለሥራ አስፈጻሚ ኮሚቴ አቅርቦ ያስጠናል፡፡
  - ፮. የሚመራበትን የውስጥ ደንብ ያወጣል፡፡
  - ፯. በመስኖ ልማት ግንባታ ምክያት ከይዞታቸው ላይ ለተፈናቀሉ ሰዎች እንዲሁም ከመሬትና ከውሃ አጠቃቀም ጋር በተያያዙ ችግሮች ላይ ተወያይቶ ውሳኔ ይሰጣል፡፡
  - ፰. የባለሥልጣኑ የሰው ኃይል፣ ንብረትና ንጉዘብ በአግባቡ ሥራ ላይ መዋሉን ይቆጣጠራል፡፡
  - ፱. በየደረጃው የሚቋቋሙት ኮሚቴዎችን አደረጃጀት፣ ስልጣንና ተግባር የሚመለከት መመሪያ ያወጣል፡፡
  - ፲. አስፈላጊ የሆኑ መመሪያዎችን ለማውጣት ይችላል፡፡
  - ፲፩. ለባለሥልጣኑ ዓላማ ስኬታማነት የሚረዱ ሌሎች ሥራዎችን ያከናውናል።
- ፲. የቦርዱ የስብሰባ ሥነ ሥርዓት
  - ፩. ቦርዱ በየወሩ አንድ ጊዜ ይሰበሰባል፡፡ ሆኖም ከባለሥልጣኑ ወይም ከሥራ አሥሪዓሚ ኮሚቴ ወይም ከቦርዱ አባላት ውስጥ ከግማሽ በላይ በሚያቀርቡት ጥያቄ መሠረት በማንኛውም ጊዜ ስብሰባ ሊካሄድ ይችላል።
  - ፪. ከቦርዱ አባላት ውስጥ ሁለት ሶስተኛው ከተገኙ ምልአተ ገባኤ ይሆናል።

- 2. The Board shall be accountable to the Executive committee.
- 9. *Powers and Duties of the Board*  
The board shall have the following powers and duties:
  - 1. Nominate the General Manager of the Authority and present to the executive committee for an appointment;
  - 2. Formulate and submit policies and laws of the Authority to the executive committee;
  - 3. Submit to the Executive committee, the annual plan, and budget of the Authority;
  - 4. Issue directives regarding contract employees based on the recommendations made by the General Manager;
  - 5. Make a study to strengthen the Authority in man power, property and management systems; and present it to the executive committee for decision;
  - 6. Issue internal regulations of the Board and implement the same;
  - 7. Discuss and provide solutions regarding displaced persons resultig from the construction of irrigation schemes and provide solutions for the problems related to water and land use;
  - 8. Control the proper utilization of human, material and financial resourcesof the Authority;
  - 9. Issue directive for the organization, powers, and duties of the committees to be established at different levels;
  - 10. Issue directive or guide lines which are deemed necessary;
  - 11. Perform such other duties, which assist the Authority to attain its objectives.
- 10. *Meeting of the Board*
  - 1. The Board shall meet once monthly; however, that extraordinary meetings of the Board may be held at any time at the request of the Authority, or the executive committee or more than half of the members of the Board.
  - 2. The presence of a 2/3 of the members of the Board shall constitute a qourum.

3. Murtiin Boordichaa sagalee calmaatiin ni dabra. Yaa ta'u malee sagaleen wal qixxee yoo dhufe sagaleen walitti qabaa Boordichaatiin kennamu murteessaa ta'a.

11. Muudamaa fi ittiwaamama

- 1. Hojii Adeemsisaa Ol'aanaa Abbaa Taayitichaa koree hojii raawwachiiftuun kan muudamu ni ta'a.
- 2. Itti Waamamni Hojii Adeemsisaa Ol'aanaa Abbaa Taayitichaa Koree Hojii Raawwachiiftuu Naannichaatiif fi Boordiiif ni ta'a.

12. Aangoo fi Hojii, Hojii Adeemsisaa

- 1. Labsii kana keewwataa 6 jalatti aangoo fi hojiiwwan Abba Taayitaatiif keenname dabalatee Hojii Adeemsisaan Abba Taayitichaa aangoo fi hojii armaan gadii ni qabaata;
  - a) Hojiiwaan Abbaa Taayitaa ni karoorsa; ni qindeessa, ni qajeelcha ni bulcha; ni too'ata;
  - b) Hojjattoota haala seera bulchiinsa hojjattoota mootummaatiin ni qaxaraa; ni bulcha;
  - c) Qaama sadaffaaq waliin wal qunnamtii godhamu hunda irratti bakka bu'aa abbaa taayitaa ni ta'a;
  - d) Karoora yeroo gabaabaa, jidduu galeessafii dheera akkasumas kan bajata waggaa qopheessudhaan Boordiiitti dhiyeessee heeyyama yoo argate hojii irraa ni oolcha;
  - e) Herega baankii Abbaa Taayitichaaf ni bana; ni sochoosa;
  - f) Gabaasa raawwii hojii fi herrega Abbaa Taayitaa kan waggaafi kurmaana qopheessudhaan koree hojii raawwachiiftuu fi boordiiichaatti ni dhiyeessa;
  - g) Koreewwan itti faayadamtoota jallisii sadarkaa hundaatti jiran akka dhaabbatan ni taasisa;
  - h) Akka barbaachisaa ta'etti hojiiwwan biraa kan walffakkaatan ni raawwata.

Hoogganaan Abba Taayitichaa hojii isaa fiixaan baasudhaaf barbaachisaa ta'ee yoo argame aangoo fi hojii isaa kennamee keessaa cinaa isaa itti gaafatamtoota isa jala jiraniif dabarsee kennuu ni danda'a.

13. Baajata

Baajatni raawwii hojii Abbaa Taayitichaatiif oolu;  
1) Baajata Mootumaan ramadu,

፫. የቦርዱ ውሳኔ የሚተላለፈው በአብላጭ ድምጽ ይሆናል። ሆኖም ድምጽ እኩል በእኩል ከተከፈለ የቦርዱ ሰብሳቢ የሚሰጠው ደምጽ ወሳኝ ይሆናል።

፲፩. ሹመትና ተጠሪነት

፩. የባለሥልጣኑ ዋና ሥራ አሥኪያድ በሥራ አሥሪዎች ከሚኑሩት ይሾማል።

፪. ዋና ሥራ አስኪያጁ ተጠሪነቱ ለክልሉ ሥራ አስፈጻሚ ኮሚቴ እና ለቦርዱ ይሆናል።

፫. የሥራ አስኪያጁ ሥልጣንና ተግባር

፬. በዚህ አዋጅ አንቀጽ ፮ ለባለሥልጣኑ የተሰጠውን ሥልጣንና ተግባር ጨምሮ የባለሥልጣኑ ሥራ አስኪያጅ የሚከተሉት ሥልጣንና ተግባር ይኖሩታል፡

ሀ) የባለሥልጣኑን ሥራ ያትዳል፤ ያደራጃል፤ ይመራል ያስተባብራል፤

ለ) ቋሚ ሠራተኞችን በመንግሥት ሠራተኞች አስተዳደር ሕግ መሠረት ይቀጥራል፤ ያስተዳድራል፤

ሐ) ከሶስተኛ ወገን ጋር በሚደረገው ማንኛውም ግንኙነት ባለሥልጣኑን ይወካል፤

መ) የአጭር፣ የመካከለኛና የረጅም ጊዜ እትዶችንና የአመተን በጀት በማዘጋጀት ለቦርዱ በማቅረብ ሲደራጁ ሥራ ላይ ያውላል፤

ሠ) የባለሥልጣኑን የባንክ ሂሳብ ይከፍታል፤ ያንቀሳቅሳል፤

ረ) የባለሥልጣኑን መ/ቤት ዓመታዊና የሩብ ዓመት የሥራ ክንውንና የሂሳብ ሪፖርት በማዘጋጀት ለቦርዱ ያቀርባል፤

ሰ) በየደረጃ ያሉ የመስና ልማት ተጠቃሚ ኮሚቴዎች አንዲቋቋሙ ያደርጋል፤

ሸ) ከሥራው ጋር ተዛማጅ የሆኑ ሌሎች ሥራዎችን ያከናውናል።

፯. የባለሥልጣኑ ሥራ አስኪያጅ ኃላፊነቱን በተቀላጠፈ ሁኔታ ለማከናወን አስፈላጊ ሆኖ ሲያገኘው ከተሰጠው ሥልጣንና ተግባር ውስጥ ከፊሉን በሥሩ ላሉ የሥራ ኃላፊዎች አሳልፎ መስጠት ይችላል።

፲፫. ስለበጀት

ለባለሥልጣኑ ተግባራት ማስፈጸሚያ የሚሆን በጀት፡-

፩) ከመንግሥት የሚመደብ፤

3. Decisions of the Board shall be passed by a simple majority vote; however, in case of tie, the chairperson shall have a casting vote.

11. Appointment and Accountability

1. The General Manager of the Authority shall be appointed by the Executive committee.

2. The General Manager of the Authority shall be accountable to the Executive Committee and the Board.

2. The General Manager of the Authority shall be accountable to the Executive Committee and the Board.

12. Powers and Duties of the General Manager

1. In addition to the powers and duties given to the Authority under Article 6 of this proclamation, the General Manager shall have the following powers and duties:

a) Plan, organize, direct, coordinate, supervise, administer and Control the activities of the Authority;

b) Employ and administer permanent employees in accordance with the public service law;

c) Represent the Authority in all its dealings with third parties;

d) Prepare and submit to the Board short, medium and long term plan and annual budget of the Authority and implement same upon approval;

e) Open and operate bank accounts of the Authority;

f) Prepare and submit to the Board the annual and quarterly activities and financial reports of the Authority;

g) Establish Irrigation Development beneficiary committees at different levels;

h) Perform other duties as are found necessary.

2. The General Manager may, where he finds necessary for the effective performance of his activities, delegate part of his powers and duties to the officials that are accountable to him.

13. Budget

Budget for the implementation of the activities of the Authority shall be:

1) Allocated by the Government,



- 2) Gargaarsaa maallaqaa ykn meeshaa dhaabbilee biyya kees-saa fi biyyaa alaa irraa argamu.
  - 14. *Galmeewwan Herreega*  
Abbaan Taayitichaa galmeewwan herregaafi harshameewwan faayinaansii sirrii ta'e ni qabata.
  - 15. *Qorannoo Herreega*  
Galmeewwaniifii qabeenyii Abba Taayitichaa mana hojii ood-iitii ol'aanaa Oromiyaatiin ykn ooditara inni bakka buusuun ooditii ni ta'a.
  - 16. *Seeroota Haqaman*  
Seerri kam iyyuu kan labsii kanaan walfaalleesu dhimmota Labsii kana keessatti ibsamman irratti raawwatiinsa hin qabaatu.
  - 17. *Yeroo Labsichi Hojii irra itti oolu*  
Labsiin kun Magalata oromiya irratti guyyaa maxxanfamee bahee kaasee hojii irra ni oola.
- Finfinnee, Adoolessa 1 bara 1991  
Kumaa Dammaqsa  
Preezidaantii Mootummaa  
Naannoo Oromiyaa

- ፪) ከሃገር ውስጥና ከውጭ አገር በዕርዳታ የሚገኝ በገንዘብ ወይም ማቴሪያል ይሆናል።
  - ፲፬) የሒሳብ መዛግብት ባለሥልጣኑ የተሟሉ የሂሳብ መዝገቦችንና የገንዘብ ሰነዶችን ይይዛል።
  - ፲፭) የሒሳብ ምርመራ የባለሥልጣኑ የሂሳብ መዝገብና ንብረት በኦሮሚያ ዋና ኦዲተር ወይም እሱ በሚወክለው ኦዲተር እጁን ይደረጋል።
  - ፲፮) የተሻሩ ሕጎች ከዚህ አዋጅ ጋር የሚቃረን ማንኛውም ሕግ በዚህ አዋጅ ውስጥ ጉዳዮች ላይ ተፈጻሚነት አይኖረውም።
  - ፲፯) አዋጁ የሚፀናበት ጊዜ ይህ አዋጅ በመገለጥ አሮሚያ ላይ ታትሞ ከወጣበት ዕለት ጀምሮ የፀና ይሆናል።
- ፊንፊኔ፣ ሐምሌ 1 ቀን 1991 ዓ.ም.  
ከግ ደመቅሳ  
የኦሮሚያ ክልላዊ መንግሥት  
ፕሬዚዳንት

- 2) Financial or material assistance that may be obtained from domestic and foreign organizations.
- 14. *Books of Account*  
The Authority shall keep complete book of account and financial documents.
- 15. *Audit*  
The books of account and property of the Authority shall be audited by the Auditor General of the Oromia Regional State or by an auditor authorized by him.
- 16. *Repealed Laws*  
Any law inconsistent with matters provided for under this proclamation shall be in applicable.
- 17. *Effective Date*  
This Proclamation shall come into force on the date of its publication in the megeleta Oromia.  
  
Done at Finfine,  
This 8<sup>th</sup> day of July 1999  
Kuma Demeksa  
President of the Oromia  
Regional State

ብርሃንና ሰላም ማተሚያ ድርጅት ታተመ  
BERHANENA SELAM PRINTING ENTERPRISE

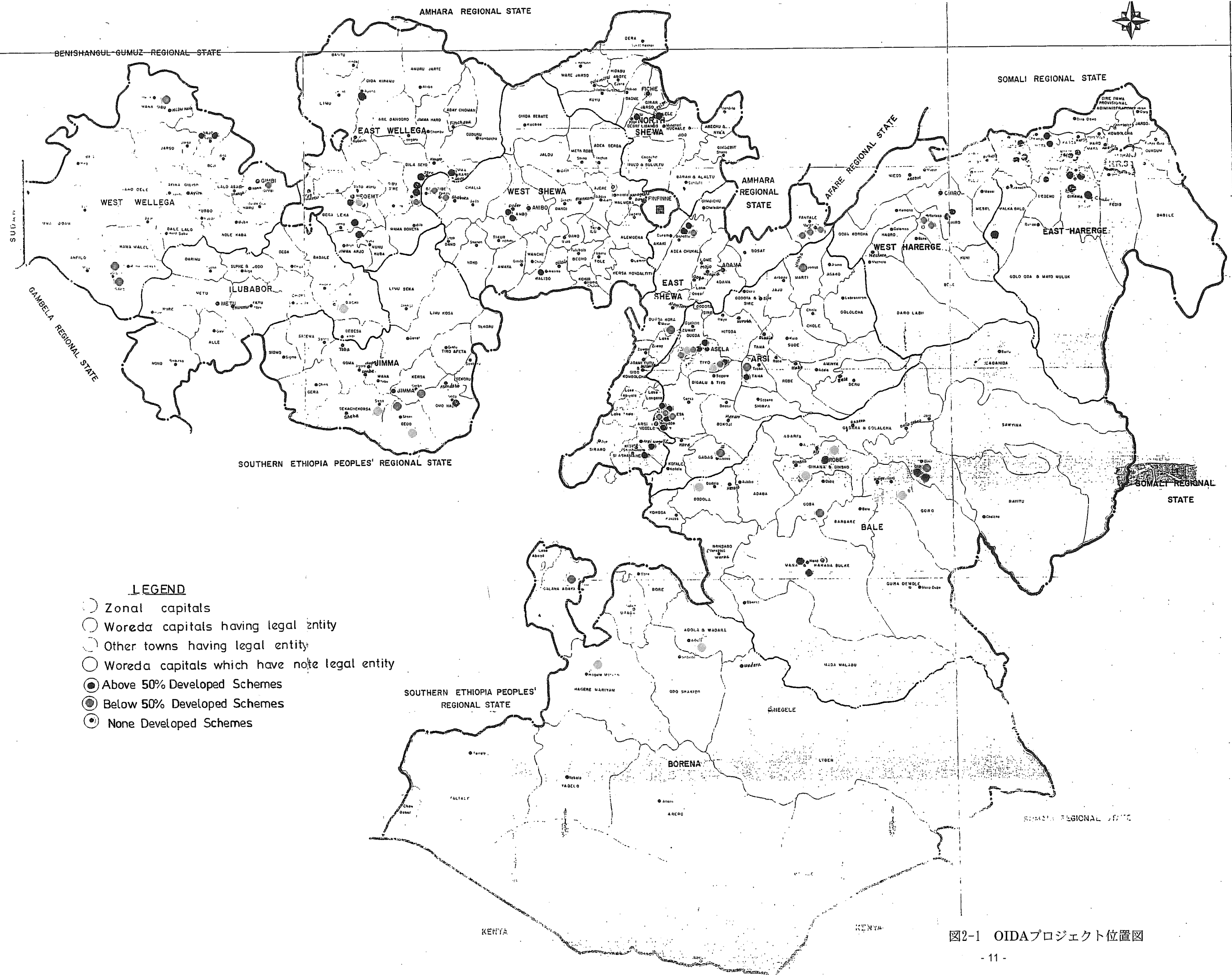


図2-1 OIDAプロジェクト位置図



表2-1 OIDAプロジェクト内訳

	No.	Name of the schems	Location		proposed area (ha)	Benef. (F. H)	Source Financ	construction yr		Investment (0'000)
			zone	District				started	Completed	
CENTRAL BRANCH COMPLETED IRRIGATION SCHEMES RECORD	1	Lami	N/Shoa	Yayu Gulale	200	682	Gov	1988	1988	
	2	Taltale	N/Shoa	Yayu Gulale	90	418	Gov	1989	1989	322.3
	3	lakku	W/Shoa	Bako Tibe	50	100	EEC	1986	1987	36.5
	4	Ijaji	W/Shoa	Bako Tibe	48	160	EEC	1988	1988	508.1
	5	Chole	W/Shoa	Ambo	100	304	Gov	1989	1989	544.3
	6	Indris	W/Shoa	Ambo	70	300	Gov	1984	1986	70
	7	Walga	W/Shoa	Waliso	150	637	Gov	1990	1990	509.436
	8	Robi	W/Shoa	Walmera	120	349	Gov	1990	1991	450.8
	9	Daddeba Gudda	E/Shoa	Arsi Nagelle	46	200	EEC	1985	1987	205.6
	10	Maqi Zeway	E/Shoa	Dugda bora	338	884	Gov	1986	1989	652.6
	11	Sogido Bandira-01	E/Shoa	Fantale	45	150	EEC	1988	1988	566.2
	12	Sogido Bandira-02	E/Shoa	Fantale	70	73	EEC	1990	1991	929.7
	13	Dodino-01	E/Shoa	Ada chukala	83	300	EEC	1988	1988	308.9
	14	Dodino-02	E/Shoa	Ada chukala	95	346	EEC	1989	1989	400
	15	Fultino	E/Shoa	Ada chukala	85	170	EEC	1989	1990	366.1
	16	Lugo	E/Shoa	Fantale	70	100	EEC	1990	1990	
	17	Lafto	E/Shoa	Shashamene	30	120	EEC	1989	1989	352.596
	18	Sheled-01	Arsi	Zeway dugda	50	200	IFAD	1982	1984	
	19	Sheled-02	Arsi	Zeway dugda	25	100	IFAD	1988	1988	389
	20	Bosha-Dera	Arsi	Tiyo	100	233	IFAD	1986	1986	106
	21	Chikilfata (Bosha-02)	Arsi	Tiyo	60	220	IFAD	1987	1987	585
	22	Hasen Usman	Arsi	Ticho	230	367	IFAD	1985	1987	660.88
	23	Arata chufa	Arsi	Zeway dugda	100	317	IFAD	1985	1986	156
	24	Meti matana	Arsi	Munessa	40	180	IFAD	1986	1986	83
	25	Dalele Simbro	Arsi	Munessa	40	162	IFAD	1986	1986	256
	26	Dalele Simbro	Arsi	Munessa	40	270	IFAD	1987	1987	163.13
	27	Lageden Shoba	Arsi	Munessa	100	440	IFAD	1986	1986	95
	28	Sadi sadi	Arsi	Munessa	60	221	IFAD	1988	1988	413
	29	Lafa	Arsi	Munessa	60	260	IFAD	1988	1990	559.85
	30	Gedemso-01	Arsi	Munessa	80	250	Gov	1987	1990	1051.56
	31	Gedemso-02	Arsi	Munessa	97	320	Gov	1989	1990	972.24
	32	Sole bekeksa	Arsi	Ticho	100	300	Gov	1987	1991	1743.9
	33	Katar-I	Arsi	Tiyo	100	400	ADF	1980	1982	
	34	Katar-II	Arsi	Tiyo	130	200	ADF	1982	1986	
	35	Katar-III	Arsi	Tiyo	90	360	ADF	1987	1988	156.1
	36	Qoraro Arsi	Shoa/Eojt	Arsi Nagelle	40	160	Gov			
SOUTHERN BRANCH COMPLETED IRRIGATION SCHEMES RECORD	1	Chambe	Borena	Hagera Mariam	60	200	Gov	1987	1989	1056.1
	2	Melka Hidda	Borena	Gelan Abeyya	70	136	Gov	1991	1991	601.2
	3	Haya Oda	Bale	Menna	100	370	IFAD	1987	1988	1254.8
	4	Chirri	Bale	Menna	50	144	IFAD	1986	1987	364.068
	5	Gomgoma	Bale	Menna	70	213	Gov	1986	1987	733.493
	6	Arada Tare	Bale	Ginnir	120	368	IFAD	1987	1988	881.6
	7	Dinik	Bale	Ginnir	200	137	Gov	1988	1990	2265
	8	Oda Roba	Bale	Ginnir	70	150	Gov	1989	1990	759.5
	9	Okuma	Bale	Dodola	80	420	Gov	1989	1990	970
	10	Shayya	Bale							
	11	Hora Boka	Bale							
	12	Malka Butta	Bale							

	No.	Name of the schems	Location		proposed area (ha)	Benef. (F. H)	Source Financl	construction yr		Investment (O'000)
			zone	District				started	Completed	
WESTERN BRANCH COMPLETED IRRIGATION SCHEMES RECORD	1	Waro	Jimma	Dedo	150	370	Gov	1982	1987	243.3
	2	Abono	Jimma	Seka	160	480	Gov	1982	1987	274.4
	3	Nadda Gudda	Jimma	omo-Naada	150	600	Gov	1987	1989	2002.5
	4	Birbirs	Jimma	Kersa	70	332	Gov	1988	1989	657.51
	5	Qawwa	Jimma	Dedo	120	270	Gov	1988	1990	1078.4
	6	Koba Gudda	Ilubador	Gachi	56	210	Gov	1987	1989	1628.2
	7	Lokoa	Ilubador	Bedele	72	240	Gov	1991	1992	922.23
	8	Bondo	W/Wallagga	Sayo	50	250	Gov	1987	1988	-
	9	Borta	W/Wallagga	Sayo	30	120	Gov	1988	1988	384.7
	10	Ga'ii	W/Wallagga	Gimbi	65	450	Gov	1989	1989	140.1
	11	Sokoru	W/Wallagga	Manasibu	30	265	Gov	1990	1990	330.089
	12	Kujur	W/Wallagga	Nejo	57	110	Gov	1991	1991	699.3
	13	Deggero	W/Wallagga	Nejo	120	296	Gov	1989	1990	-
	14	Gibe lemu-01	E/Wallagga	Bila sayo	54	250	Gov	1986	1989	489.78
	15	Gibe lemu-02	E/Wallagga	Bila sayo	60	120	Gov	1989	1989	326.52
	16	Gambella Tare	E/Wallagga	Bila sayo	150	272	Gov	1984	1987	711.3
	17	Jaato-01	E/Wallagga	Guto Wayu	54	200	Gov	1986	1987	629.9
	18	Jaato-02	E/Wallagga	Guto Wayu	60	207	Gov	1990	1990	474.23
	19	Tate	E/Wallagga	Guto Wayu	18	40	Gov	1986	1987	278.2
	20	Abono-02	E/Wallagga	Dega Leka	80	248	Gov	1987	1988	855.55
	21	Nagesso	E/Wallagga	Jima Arjo	25	180	Gov	1989	-	247.2
	22	Wajja	E/Wallagga	Gida Kiramu	30	200	Gov	1989	1989	329.437
	23	Jare	E/Wallagga	Bila sayo	40	112	Gov	1991	1991	404.7
	24	Dangago-01	E/Wallagga	Jima Arjo	30	200	Gov	1988	1988	307.6
	25	Dangago-02	E/Wallagga	Jima Arjo	20	120	Gov	1990	1990	-
EASTERN BRANCH COMPLETED IRRIGATION SCHEMES RECORD	1	Chafe Gurati	W/Harargha	Wereda	60	220	IFAD	1987	1988	883.37
	2	Aminur Datcho	W/Harargha	Wereda	40	80	IFAD	1987	1987	425.02
	3	Hirna	W/Harargha	Wereda	63	240	IFAD	1986	1987	745.6
	4	Midhagdu	W/Harargha	Baddessa	200	250	Gov	1988	1990	902.3
	5	Kase heja	W/Harargha	Chino	187	750	Gov	1982	1984	391.92
	6	Homocho	W/Harargha	Chino	150	600	Gov	1982	1984	460.4
	7	Jarjartu	E/Harargha	Melka Belo	60	119	IFAD	1988	1989	661.4
	8	Chulul-03	E/Harargha	Girawa	75	275	Gov	1989	1989	532.6
	9	Harow	E/Harargha	Cheleko	40	1630	IFAD	1988	1988	206.38
	10	Ramis	E/Harargha	Cheleko	60	273	Gov	1989	1989	514.32
	11	Said Ali	E/Harargha	Dader	45	160	IFAD	1987	1987	690
	12	Babi Ali	E/Harargha	Dader	40	130	IFAD	1987	1987	707.3
	13	Burla Birbirs	E/Harargha	Girawa	40	100	IFAD	1987	1988	-
	14	Erer Medda Talila	E/Harargha	Kersa	100	600	IFAD	1987	1988	1252.8
	15	Water-01	E/Harargha	Kersa	60	130	IFAD	1986	1986	585.8
	16	Water-02	E/Harargha	Kersa	40	150	IFAD	1987	1987	233.6
	17	Water-03	E/Harargha	Kersa	40	260	IFAD	1988	1988	517
	18	Arara-01	E/Harargha	Kersa	40	276	IFAD	1986	1987	411.34
	19	Arara-02	E/Harargha	Kersa	16	100	IFAD	1986	1987	150
	20	Gelan sadi	E/Harargha	Dader	100	360	IFAD	1987	1988	879.9
	21	Burqa Danaba	E/Harargha	Aedeno	76	215	Gov	1990	1990	420.26
	22	Mudena Sailo	E/Harargha	Girawa	51	120	Gov	-	-	197.7
	23	Melba	E/Harargha	Girawa	40	170	Gov	1991	1991	154

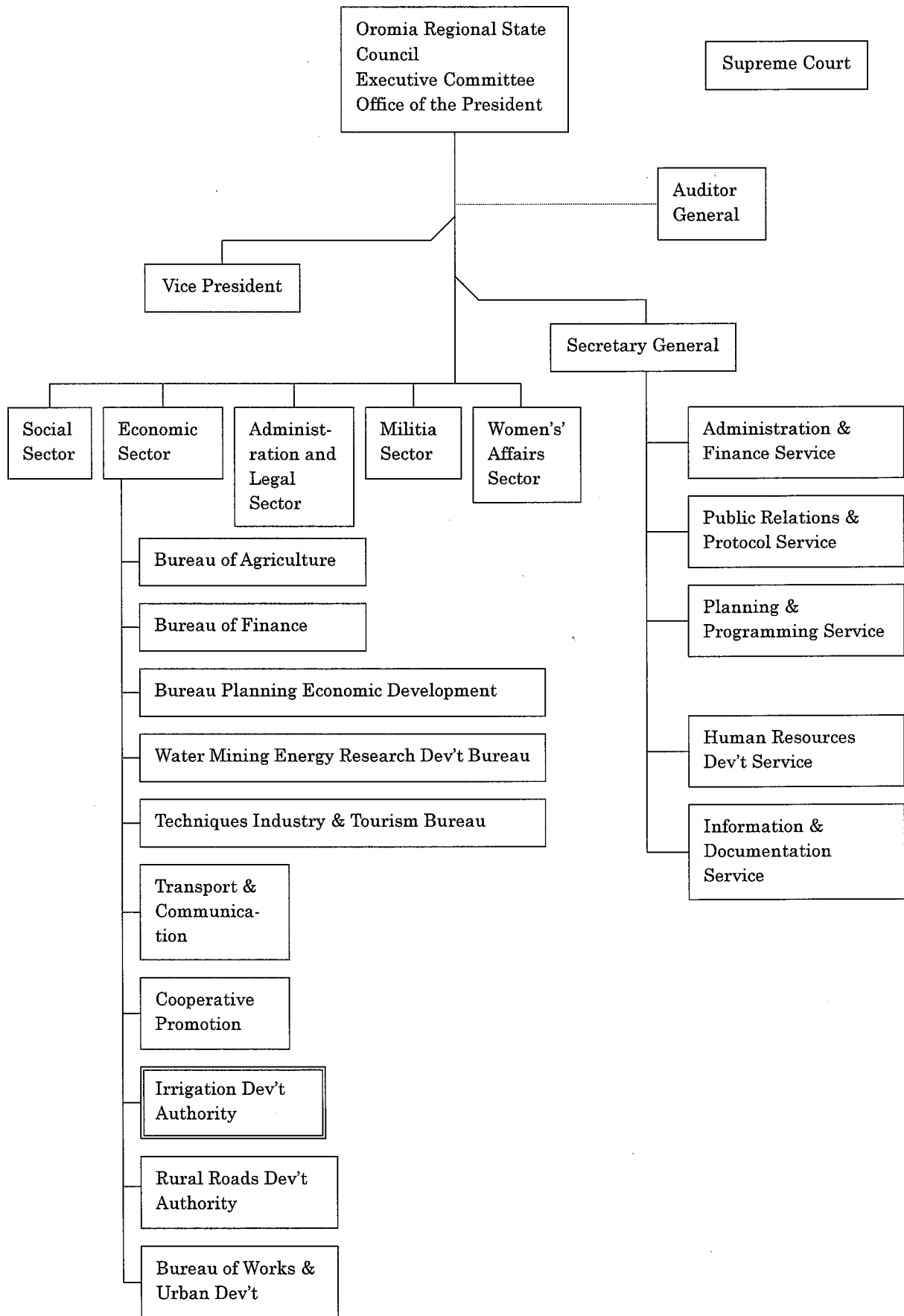


図2-2 オロミア州政府組織図

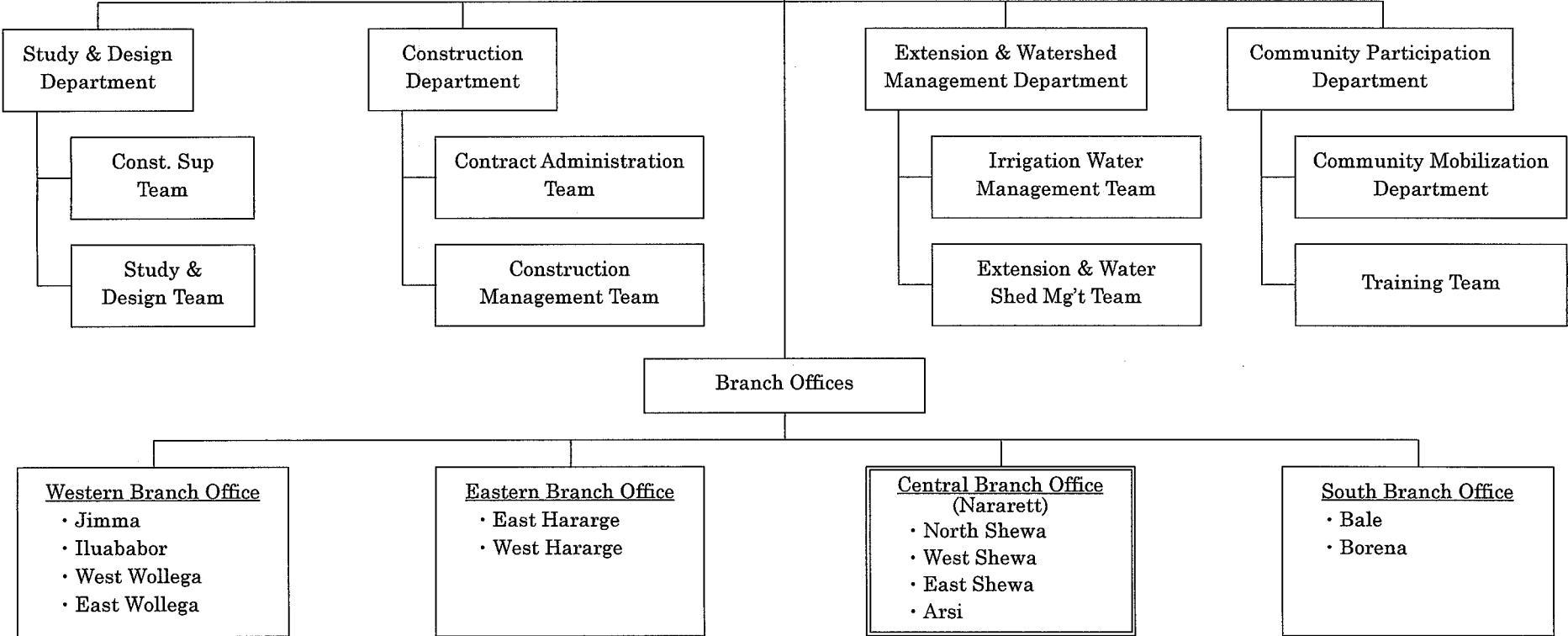
**OIDA  
General Manger's Office**

Research and  
Laboratory Service

Internal Audit Service

Finance and Administration  
Service

Planning and Programming  
Service



2-3 OIDA組織圖

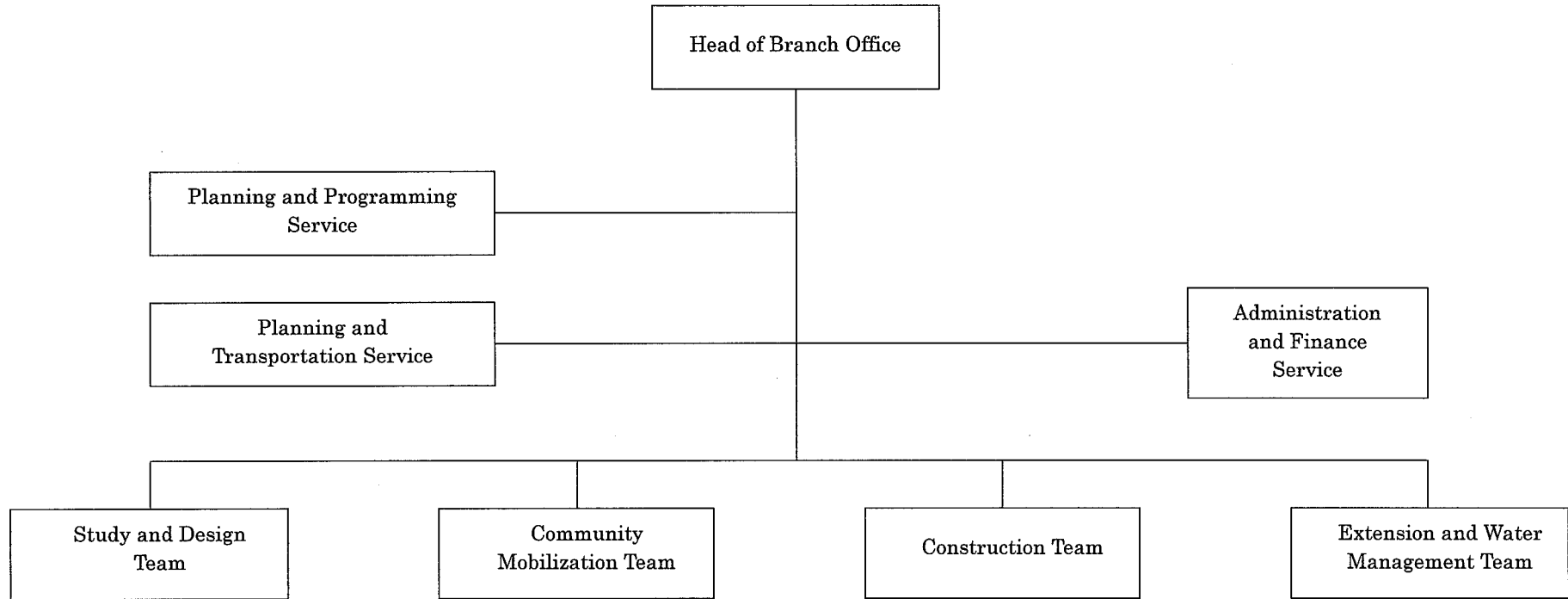


圖2-4 Branch Office組織圖



OIDA人員配置狀況 ( Head Office )

No.	Position	<i>Quantity</i>
1.	<b>General Manager's Office</b>	6
2.	<b>Internal Audit Service</b>	2
3.	<b>Planning and Programming Service</b>	7
4.	<b>Research, and Laboratory Service</b>	9
5.	<b>Administration &amp; Finance Service</b>	2
5.1	Personal Division	9
5.2	Finance Division	9
5.3	General Service and Property Administration Division	2
5.3.1	General Service Section	5
5.3.2	Property Administration Section	7
6.	<b><u>Study and Design Department</u></b>	
	Head of Department	1
	Secretary Typist	1
	Typist	1
	計	3
6.1	<b><u>Study and Design Team</u></b>	
	Team Leader	1
	Typist	1
	Design engineers	6
	Geologist	2
	Irrigation Agronomist	2
	Hydrologist	2
	Socio-Economist	2
	Soil & Water Conservationist	1
	Forester	1
	Land Use Planner	2
	Senior Surveyors	2
	Junior Surveyors	2
	Drafts Men	1
	Environmentalist	1
	計	26
6.2	<b><u>Construction Supervision Team</u></b>	
	Team Leader	1
	Quantity Surveyer	2
	Construction Supervision Engineers	4
	計	7
7.	<b><u>Irrigation and Drainage Management Department</u></b>	
	Head of Department	1
	Secretary	1
	Typist	1
	計	3
7.1	<b><u>Irrigation Water Management Team</u></b>	
	Team Leader	1
	Irrigation Agronomist	1
	Technician (Soil & Water)	1
	Operation and Maintenance Management Engineers	1
	Water management Engineers	1
	計	5
7.2	<b><u>Extension and Water Shed Management Team</u></b>	
	Team Leader (Agronomist)	1
	Irrigation Engineer	1
	Agronomist	2
	Soil and Water Conservation Expert	1
	計	5

No.	Position	Quantity
8.	<b><u>Community Development Department</u></b>	
	Head of Department	1
	Secretary	1
	計	2
8.1	<b><u>Community Mobilization Team</u></b>	
	Team Leader	1
	Sociologist	1
	Senior Social Worker	1
	計	3
8.2	<b><u>Education &amp; Training Team</u></b>	
	Team Leader	1
	Sinner Expert	1
	Expert	1
	計	3
9.	<b><u>Construction Department</u></b>	
	Department Head	1
	Secretary Typist	1
	Typist	1
	計	3
9.1	<b><u>Contract Administration Team</u></b>	
	Team Leader	1
	Contract Administration Engineers	2
	Quantity Surveyors	1
	計	4
9.2	<b><u>Construction Management Team</u></b>	
	Team Leader	1
	Construction Management Engineers	2
	Senior mechanic	2
	Senior electrician	2
	計	7
	Grand Total	130

OIDA人員配置狀況 ( Brand. Office )

No.	Position	<i>Quantity</i>
1.	<b>Head of Branch Office</b>	4
2.	<b>Planing and Programming Service</b>	4
3.	<b>Administration and Finance Service</b>	2
3.1	Personnel Section	2
3.2	Finance Section	5
4.	<b>General Workshop and Transportation Service</b>	10
5.	<b><u>Study and Design Team</u></b>	
	Team Loader	1
	Typist	1
	Design Engineers	5
	Assistance Design Engineers	4
	Geologist	1
	Agronomist	2
	Economist	1
	Hydrologist	1
	Soil Expert	1
	Surveyor	4
	Drafts man	2
	計	23
6.	<b><u>Community Participation and Mobilization Team</u></b>	
	Team Leader	1
	Senior Sociologist	1
	Social Worker	4
	計	6
7.	<b><u>Construction Team</u></b>	
	Team Leader	1
	Typist	1
	Construction Engineers	6
	Assis./ Construction Engineers	6
	Surveyors	6
	Construction Foreman	6
	Site Store keepers	<i>As required</i>
	Mobile Cashier	2
	計	28
8.	<b><u>Extension and Water Management Team</u></b>	
	Team Leader	1
	Irrigation Expert	1
	Agronomist	1
	Extension Expert	2
	Extension Worker	<i>As required</i>
	計	5
	<b>Grand Total</b>	97