

## 第5章 付属資料

- 1 S/w
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- 3 正式要請 T/R
- 4 現地収集資料




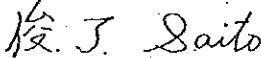
1. Scope OF WORK

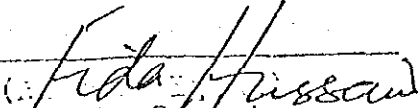
SCOPE OF WORK  
FOR  
MASTER PLAN STUDY  
ON  
SWAT DISTRICT INTEGRATED RURAL DEVELOPMENT PROJECT  
IN  
THE ISLAMIC REPUBLIC OF PAKISTAN

AGREED UPON BETWEEN  
THE GOVERNMENT OF THE ISLAMIC REPUBLIC OF PAKISTAN  
AND  
THE JAPAN INTERNATIONAL COOPERATION AGENCY

ISLAMABAD APRIL 13, 1988

  
~~Deputy Secretary~~  
Planning & Development Department,  
N. W. F. P.  
Designation :  
Department :  
Government of NWFP.

  
Mr. Toshiki SAITO  
Leader  
Preliminary Survey Team  
Japan International  
Cooperation Agency

  
Deputy Secretary,  
Economic Affairs Division  
Government of Pakistan  
Islamabad.

## I. INTRODUCTION

In response to the request of the Government of the Islamic Republic of Pakistan, the Government of Japan has decided to conduct the Master Plan Study on Swat District Integrated Rural Development Project (hereinafter referred to as "the Study"), in accordance with the relevant laws and regulations in force in Japan.

The Japan International Cooperation Agency (hereinafter referred to as "JICA"), the official agency responsible for the implementation of technical cooperation programmes of the Government of Japan, will undertake the Study in close cooperation with the authorities of Pakistan.

The present document sets forth the Scope of Work with regard to the Study.

## II OBJECTIVE

The objective of the Study is to formulate a Master Plan for Integrated Rural Development Project in Swat District in order to promote the development of rural area.

## III. Study Area

The study area covers 8,788 km<sup>2</sup> of Swat District, Malakand Division, North West Frontier Province, putting emphasis on the less developed area.

## IV. SCOPE OF THE STUDY

The Study consists of two phases as follows;

### 1. Phase I

Data collection and field survey for the project formulation are carried out in Pakistan, and the collected data and information are analysed in Japan.

#### (1) Field Work

Collection and review of the existing data and information.

##### A. Natural condition

- a. Topography
- b. Meteorology and Hydrology
- c. Geology
- d. Soil

B. Social Condition

- a. Population
- b. Land ownership
- c. Land disposal

C. Agriculture

- a. Farm management
- b. Land use
- c. Landholding
- d. Crop production
- e. Livestock
- f. Agricultural inputs
- g. Storage facilities

D. Agricultural infrastructure

- a. Irrigation and drainage system
- b. Farm land conservation
- c. Farm road

E. Agro-economy

- a. Marketing system
- b. Farmer's income and productivity
- c. Agricultural credit
- d. Farmers' organization
- e. Extension service
- f. Agro-industry

F. Social infrastructure

- a. Rural electrification
- b. Communication
- c. Drinking water and sanitation
- d. Social welfare and health
- e. Education

(2) Home Office Work

Preliminary study and analysis based on the result of the Field Work.

Identification of development potentials and preliminary formulation of basic development concept.

## 2. Phase II

The Master Plan is formulated taking into consideration the result of Phase I study.

### (1) Field Work

Supplemental survey and additional data collection necessary for the formulation of the Master Plan.

### (2) Home Office Work

Formulation of the Master Plan.

A. Formulation of the basic plan for the development

B. Preliminary design of the major structures

C. Approximate estimation of the development cost

D. Identification of the development priority project(s)

E. Execution of Pre-Feasibility Study on the selected priority sub-project(s)

## V. Work SCHEDULE

The Study is executed in accordance with the attached tentative work schedule.

## VI. REPORTS

JICA shall prepare and submit the following reports in English to the Government of Pakistan.

### (1) Inception Report

Thirty (30) copies at the commencement of the Study.

### (2) Progress Report (I)

Thirty (30) copies at the end of the Field Work in the Phase I study.

### (3) Interim report

Thirty (30) copies at the commencement of the Phase II study.

J. S.

(4) Progress Report (II)

Thirty (30) copies at the end of the Field Work in the Phase II study.

(5) Draft Final Report

Thirty (30) copies at the end of the home office work in the Phase II study.

The Government of Pakistan provides JICA with its comments on the the Draft Final Report through JICA office in Islamabad within one (1) month after receipt of this report.

(6) Final Report

Fifty (50) copies within two (2) months after receipt of the comments from the Government of Pakistan on the Draft Final Report.

VII. UNDERTAKING OF THE GOVERNMENT OF PAKISTAN.

1. To facilitate smooth conduct of the Study, the Government of Pakistan will take necessary measures;

- (1) to secure the safety of the Japanese study team,
- (2) to permit the members of the Japanese study team to enter, leave and sojourn in Pakistan for the duration of their assignment therein, and exempt them from alien registration requirements and consular fees,
- (3) to exempt the members of the Japanese study team from taxes, duties, fees and any other charges on equipment, machinery and other materials brought into Pakistan for the conduct of the Study,
- (4) to exempt the members of the Japanese study team from income tax and other charges of any kind imposed on or in connection with any emoluments or allowances paid to the members of the Japanese study team for their services in connection with the implementation of the Study,
- (5) to provide necessary facilities to the Japanese study team for the remittances as well as utilization of the funds introduced into Pakistan from Japan in connection with the implementation of the Study,

- (6) to secure permission for entry into private properties or restricted areas for the conduct of the Study, unless prohibited by laws or regulations,
  - (7) to secure permission to take all data and documents related to the Study including photographs out of Pakistan to Japan by the Japanese study team, and
  - (8) to provide medical services as needed. Its expenses will be chargeable on the members of the Japanese study team.
2. The Government of Pakistan shall bear claims, if any arises, against the members of the Japanese study team resulting from, occurring in the course of, or otherwise connected with the discharge of their duties in the implementation of the Study, except when such claims arise from gross negligence or willful misconduct on the part of the members of the Japanese study team.
  3. The Government of North West Frontier Province (hereinafter referred to as "NWFP") shall act as a counterpart agency to the Japanese study team and also as a coordinating body to other relevant organizations for the smooth implementation of the Study.
  4. NWFP shall, at its own expense, provide the Japanese study team with the following, in cooperation with other agencies concerned, if necessary:
    - (1) Available data and information related to the Study
    - (2) Counterpart personnel
    - (3) Suitable office with necessary equipment and furniture
    - (4) Appropriate number of drivers in the study area
    - (5) Credentials or identification cards.

#### VIII. UNDERTAKING OF JICA

For the implementation of the Study, JICA shall take the following measures;







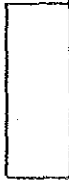

1. to dispatch, at its own expense, the study teams in accordance with the attached tentative schedule, and
2. to pursue technology transfer to the Pakistan counterpart personnel in the course of the Study.

IX. OTHERS

JICA and NWFP will consult with each other in respect of any matter that is not agreed upon in this document and may arise from or in connection with the Study.

J.D.

Tentative Schedule

		Month in Order														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
		← Phase I →					← Phase II →									
Field Work in Pakistan																
Home Office Work in Japan																
Reports		▲	IC/R	▲	P/R(I)	▲	IT/R	▲	P/R(II)	▲	DF/R	◎		▲	F/R	

IC/R: Inception Report P/R: Progress Report IT/R: Interim Report

DF/R : Draft Final Report ◎: Comments F/R : Final Report

RECORD NOTE OF DISCUSSIONS WITH THE PRELIMINARY  
SURVEY TEAM OF JAPAN INTERNATIONAL COOPERATION  
AGENCY FOR MASTER PLAN STUDY OF SWAT DISTRICT  
INTEGRATED RURAL DEVELOPMENT PROJECT, NWFP  
(ISLAMIC REPUBLIC OF PAKISTAN)

A Preliminary Survey Team of Japan International Co-operation Agency (JICA), headed by Mr. Toshiki Saito, Director, Land Improvement Engineering Service Centre, Ministry of Agriculture, Forestry and Fisheries, Government of Japan visited NWFP from 4th April, 1988 to 13th April, 1988 in connection with the proposed Master Plan Study. During the stay in NWFP the Team carried out field reconnaissance in Swat District and held meetings with the officers of the Local Government and Rural Development Department and Planning & Development Department of the Government of NWFP. The list of participants in the meeting is attached as Annexure-I

The following decisions were taken in the meeting:-

- i. A draft scope of work for the Master Plan Study was agreed in principle.
- ii. The representative of the Government of NWFP, proposed that in the study area emphasis should be placed upon the less developed region/s of Swat District. It was agreed that the priority area for the pre-feasibility study will be selected at the end of the Phase-I field survey.
- iii. It was agreed that the period for the implementation of the Master Plan would be from 1988-89 to 2003.
- iv. The representatives of the Provincial Government agreed that topographic maps 1:50,000 will be provided when the Study Team starts Phase-I field survey.
- v. The representatives of the Provincial Government requested that the proposed vehicles for the Study may be provided by JICA, as the necessary vehicle were not available with the Local Govt and Rural Development Department. The Preliminary Survey Team agreed to convey this request to the concerned Japanese authorities.

*P. J. Swati*  
*Swati*  
(M. Iqbal Khan Swati) 11/4/88  
Director General  
Local Govt and Rural Dev: Deptt:  
NWFP, Peshawar.

Peshawar, 10th April, 1988  
*T. J. Saito*  
(Toshiki Saito)  
Leader of Preliminary  
Survey Team (JICA)

ANNEXURE-I

LIST OF PARTICIPANTS  
IN THE MEETINGS.

1. JICA Team

- |                          |                                  |
|--------------------------|----------------------------------|
| 1. Mr. Toshiki Saito     | Leader of the Team               |
| 2. Mr. Kenichino Kawaji  | Co-ordinator.                    |
| 3. Mr. Kiyoshi Sakai     | Rural Development Expert.        |
| 4. Mr. Futao Yasue       | Irrigation & Drainage<br>Expert. |
| 5. Mr. Mitsutaro Fujisda | Agriculture Expert.              |

2. N.W.F.P.

- |                             |                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------|
| 1. Mr. Inayatullah Khan     | Secretary to the Govt of<br>NWFP, Local Govt & Rural<br>Development Department. |
| 2. Mr. M. Iqbal Khan Swati. | Director General, Local<br>Govt & Rural Development.                            |
| 3. Mr. Mohammad Ibrahim Beg | Additional Secretary to<br>the Govt of NWFP, P&D<br>Department                  |
| 4. Mr. Idrar-ud-din,        | Divisional Director,<br>Local Govt & Rural Develop-<br>ment.                    |
| 5. Mr. Javed Mufti.         | Assistant Chief (PE&F)<br>P&D Department.                                       |

3.8.

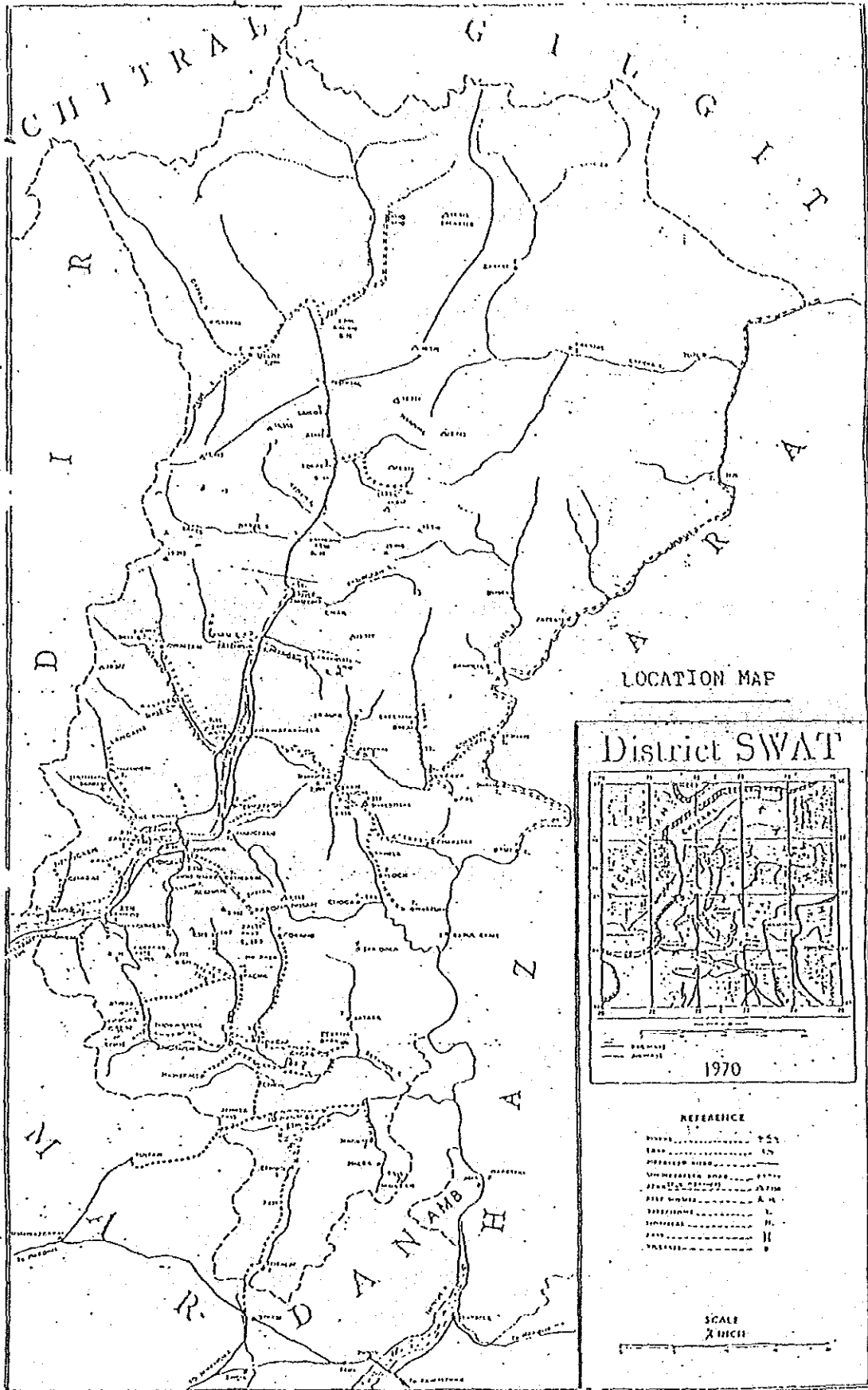
3. パキスタン政府正式要請 T/R

REQUEST  
FOR  
TECHNICAL ASSISTANCE  
ON  
MASTER PLAN STUDY

PROJECT TITLE : INTEGRATED RURAL DEVELOPMENT  
PROJECT IN SWAT DISTRICT

REQUESTING AGENCY : GOVERNMENT OF NORTH WEST FRONTIER  
PROVINCE

PROPOSED SOURCE  
OF ASSISTANCE : GOVERNMENT OF JAPAN



## 1. Background

Agriculture remains the most important economic base of Pakistan employing 72% of the total population (as of 1981) and occupying the major portion (25%) of Gross Domestic Product. However, the socioeconomic conditions of the rural population rest far behind those of the urban population. Since the current Sixth Five Year Plan aims at rapid economic growth and equal distribution of benefits to the majority of the people, the small-scale farmers, landless farmers and impoverished workers of the rural areas need to be properly viewed as comprising an important national resource, and as such must be targeted to benefit from the fruits of development. The basic aim of the Plan rest, therefore, not only on increasing agricultural productivity through specific agricultural development but also at a general improvement of the overall socioeconomic foundation as a means towards raising the living standard and providing equitable employment opportunities for the rural population.

In consideration of the above, the Government of Pakistan lays stress on the Integrated Rural Development Programme which is being prepared for each of 84 districts all over the country.

The Government of North West Frontier Province has, in initiating the projects under such Programme, chosen Swat District as the first of its kind since this District has more potentials and possibility in the development of land, water and manpower resources and less accessibility towards the outcome of such development specially in the backward areas of Buner and Shangla Par Sub-Divisions. In this regard, special attention will be placed on the development potentials of range land conservation and inland fishery

both closely related to the prospective tourism development. Project components hereinafter mentioned are based on such potentials of the District and are expected to contribute significantly to all the segments of rural population in this region.

## 2. The Project Area

The area to be covered by the study rests within Swat District which has a population of 1,233,000 spread over an area of 8,788 sq. Km. About 90% of the total population depends directly or indirectly on agriculture sector.

Swat is considered to be the scenic heart of the North West Frontier Province with its natural resources like Swat River, Kalam forests and many high peaks, however, living conditions of the people are not satisfactory as may be imagined from the fact of poppy cultivation in certain part of the District. The alternative cash income source, in this respect, is considered to be most urgent for the local people.

The topography of the area is mountainous with mostly uneven and rugged ground surface. The hill ranges form valley which is fairly broad with almost flat grounds along both sides of the Swat River downstream from Madyan. Upstream or northwards from this place, the valley gradually narrows and becomes almost a gorge.



The temperature at Saidu Sharif in winter ranges between  $-2^{\circ}\text{C}$  and  $23^{\circ}\text{C}$ . In summer, the mean minimum temperature is  $12^{\circ}\text{C}$  while the mean maximum temperature reaches  $37^{\circ}\text{C}$ . June is the hottest while January is the coldest month in and around the District. Average rainfalls at Saidu Sharif and Kalam are about 900mm and 1,130mm respectively.

Soil material is closely related to the parent rock from which it is formed as a result of disintegration and decomposition. In the north, where rocks are mainly igneous, textures are mainly gravelly to stony sandy loams and gravelly sandy clay loams. In middle transition belt, textures are clayey and soils are much less gravelly. In the south, where rocks are generally metamorphic, soils are mainly clay loam. In almost all fields, there is a severe nitrogen deficiency, and probably phosphate is very short.

Major agricultural production in the area includes paddy rice, corn, onion, fruits and vegetables, livestock products like milk, butter and skin, and fishery products especially trouts. Annual yield of timber from the forests of Swat and adjoining areas is about 0.1 million cu. m.

Swat is known as the "Switzerland of Pakistan" and is ideal for the development of recreational facilities. Rest houses, lunching tables and other facilities have already been developed at Malam Jaba situated at a convenient distance from Saidu Sharif.

### 3. Needs and Objective of the Project

The Integrated Rural Development Project in Swat District (hereinafter referred to as "the Project") is congruent with the development policy of the Government of Pakistan which aims at rapid economic growth and equal distribution of benefits to the majority of the people. Recognizing that economic growth cannot benefit the poor unless it reaches them and unless the majority of the population participates in economic life, greater stress is laid on rural development in the current Sixth Five Year Plan.

The Project will be conceived under a master plan which would be formulated for the overall rural development in Swat District, and the technical assistance will be composed of detailed studies taking specific rural conditions of Swat District into consideration. The Government of Pakistan is expected to receive technical and financial assistance for such services from the Government of Japan.

### 4. The Project

In consideration of above situation, the Project may include, but not limited to, the following schemes.

#### A) Agricultural Sector Development

- Construction, rehabilitation and/or improvement of irrigation and drainage facilities including

small-scale irrigation programmes.

- Development of more intensive irrigation technology for steep slope farmlands, such as trickle and sprinkler irrigation method.
- Promotion of cash crop farming (especially fruits planting) with crop diversification and development of seed industry with establishment of seed multiplication schemes.
- Promotion of farm mechanization and strengthening post harvest systems as well as cold storage facilities.
- Expansion of livestock raising with improvement of pasture land and strengthening experimental facilities such as veterinary hospitals, dispensaries and other institutional facilities.
- Expansion of inland fishery raising utilizing existing lakes and ponds and/or by constructing small ponds, and establishing trout rearing experimental station with fish hatchery systems.
- Conservation and utilization of both culturable and unculturable wasteland.
- Improvement of marketing systems for farm products.

#### B) Agro-Industry Development

- Introduction of small-scale/cottage industries.
- Establishment of milk preservation, wool processing and skin curing plants.

C) Community Development and Social Infrastructures

- Construction and/or improvement of farm-to-market roads, village roads, community centres, recreation facilities, rural hospitals and dispensaries, potable water supply system, and communication facilities.
- Electrification in remote areas isolated from the interconnected network of WAPDA in consideration of mini-hydropower plants construction.
- Improvement and enhancement of primary/middle/high schools, and vocational schools (polytechnic institutes).

D) Tourism Development

- Construction and/or improvement of tourism related facilities such as access road expansion, hotel and camping site preparation, and recreation facilities.

E) Watershed Conservation and Reforestation

- Development of forest lands for multiple utilization aside from timber production.
- Establishment of detailed watershed management plan for regulating stream flow and reducing sediment loads.

## 5. Terms of Reference

### A) General

Engineering services for the preparation of a master plan for the Project will comprise of two phases, viz,

- 1) Collection and analyses of basic data and information, and formulation of a master plan subsequently, then selection of priority schemes through discussions with concerned authorities and local representatives.
- 2) Conduction of a feasibility study for selected priority schemes.

The Government of Pakistan has an intention to request the Government of Japan to furnish a grant aid for the implementation of the selected priority schemes as the first step of the realization of Integrated Rural Development Project in Swat District.

### B) Master Plan Study

The study to formulate a comprehensive rural development plan for Swat District will be carried out using the integrated approach. Major items in this regard will comprise of, but not limited to, the followings.

- 1) Socioeconomic infrastructural surveys on roads, water supply, health and sanitation, education, electricity, rural industry, communication, vocational training, tourism, etc.
- 2) Analyses of physical and socioeconomic conditions as well as sectoral development situation in the District.

- 3) Identification of constraints existing in each development sector.
- 4) Identification and evaluation of the development potentials of land and water resources, social infrastructure, and manpower resources.
- 5) Setting up development objectives.
- 6) Study of optimum development strategy in each sector.
- 7) Examining the priority among the sectors as well as among the schemes of a sector, and identification of urgent works which would be implemented under the Japanese grant aid.
- 8) Formulation of the integrated rural development plan based on preliminary estimates of costs and prospective benefits.

A sample survey by means of questionnaire will be conducted in some selected villages and the selected householders will be inquired of several questions by the survey team. The answers given by such local residents will be statistically studied and incorporated in the process of Project formulation so that the Project may reflect true desires and aspirations of the local population at the grassroots level.

#### C) Feasibility Study on Urgent Works

Schemes for urgent implementation will be determined through the formulation of said master plan. Such priority schemes will be incorporated into a model project and detailed implementation schedule will be studied in parallel with the later stage of the master plan study.

- 1) Topographic surveys necessary for the execution of selected urgent works.
- 2) Detailed field investigations such as soil survey, land use survey, hydrological survey, irrigation and drainage survey and agricultural survey.
- 3) Institutional survey on agricultural supporting and extension services.
- 4) Survey on livestock and fishery development.
- 5) Survey on marketing facilities for agricultural products.
- 6) Survey on farm-to-market road and farm machinery.
- 7) Assessment of development potential of land and water resources together with tourism development.
- 8) Estimation of expected beneficial area and/or population.
- 9) Planning and preliminary design of proposed infrastructures and facilities.
- 10) Estimation of Project costs and prospective benefits.
- 11) Preparation of reports including the feasibility study reports and/or basic design reports.

#### D) Expertise Requirement

The experts to be employed for above mentioned studies are estimated as follows.

- 1) Project Manager
- 2) Rural Development Planner
- 3) Agro-economist
- 4) Agronomist/Soil Scientist
- 5) Hydrologist
- 6) Specialist for Forest Conservation and Environmental Assessment
- 7) Irrigation/Drainage Engineer
- 8) Water Supply Engineer
- 9) Specialist for Fishery Raising
- 10) Specialist for Livestock
- 11) Farm Machinery Specialist
- 12) Specialist for Social Infrastructure/Tourism
- 13) Institutional Specialist
- 14) Industrial Specialist

#### 6. Concerned Agency and Management

The Project will be implemented by government agencies. Federal Ministry of Local Government and Rural Development will be responsible for the promotion and coordination of the Project. Relevant departments of the Government of North West Frontier Province will be responsible for the implementation of the Project directly. Planning and Development Department of North West Frontier Province will function as main coordinating agency.



## 7. Study Schedule



The study work is composed of the master plan study for the entire District and the feasibility study for the priority project(s) to be identified at the early stage of the master plan study.

The study period shall require substantially 17 months as indicated in the attached figure.

Master Plan Study on  
Integrated Rural Development Project  
in Swat District

Implementation Schedule

Study Phase	Month in Order																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Master Plan Study	[Hatched bar from month 1 to 18]																	
Feasibility Study	[Hatched bar from month 10 to 18]																	
Submission of Reports	▼				▼				▼						▼			▼
Inception Report																		
Progress Report																		
Interim Report(1)																		
Interim Report(2)																		
Draft Report																		
Final Report																		

 Work in Pakistan  
 Work in Japan

Cost Estimate of the Master Plan Study on the  
Integrated Rural Development Project in Swat Distt.

a. Foreign Currency Components (Grant)

Quantification of Expert.

Amnt. = Y 1000

	<u>Grade</u>	<u>M/P</u>	<u>F/S</u>	<u>Total (M/M)</u>	<u>Rate</u>	<u>Amount</u>
1.	1st	17.5	9.5	27.0	2,900	78,300
2.	2nd	8.5	4.5	13.0	2,600	33,800
3.	5th	-	4.0	4.0	1,400	5,600
<b>Total</b>						<u>117,700</u>

1) 2.2. air flight charges

42 Pound trip x 170,000	5,640
sub-total	5,640

2) 2.4. Field survey cost

Master Plan (1.5)	10,000
Feasibility (1.5)	5,000
sub-total	15,000

3) 2.5 Report compilation.

Master Plan (1.5)	5,000
Feasibility (1.5)	3,000
sub-total	8,000

Grand Total 140,340

Rs. 14.6 (Million)

B. Local Currency Components

1. Office Operations

Teleshawar	: 7 month x Rs. 10,000	Rs. 70,000
Telephone	: 7 month x Rs. 10,000	70,000
Facilities & Furnitures	1.5	60,000
Sub-total		200,000

2. Wages

Driver	: 7 month x 1,5000 (Rs/mx3)	Rs. 31,500
Helper	: 7 month x 1,000 "	28,000
Sub-total		59,500

3. Other consumable cost. 1.5 40,500

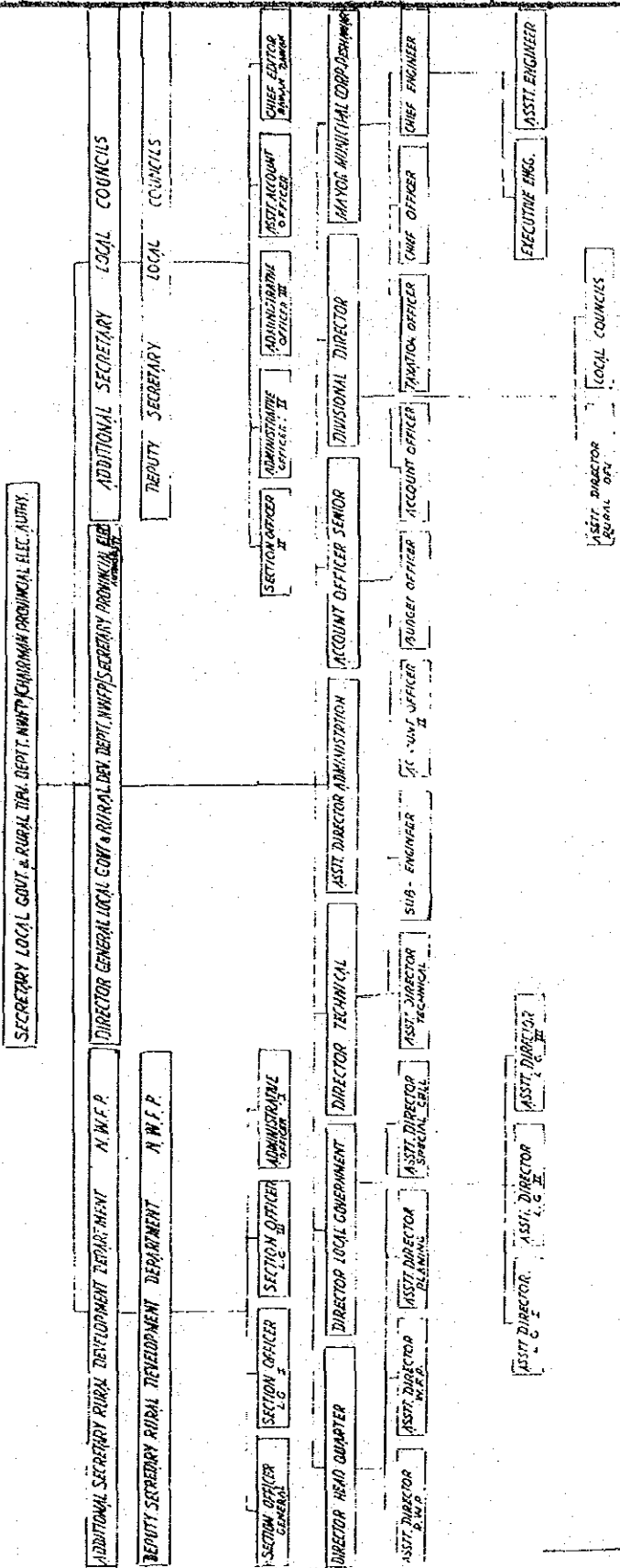
Sub-total. 40,500

Total Rs. 300,000

#### 4. 現地収集資料

1. Annual Development Programme 1989-88  
Government of N. W. F. P.  
Planning and Development Department
2. Organisational chart of L. G. R. D.
3. Pak-Germen Integrated Rural Development  
Programme Mardan Project Brief  
January 1988
4. Annual Review Report for the Period Ending  
1-7-1986 to 30-6-1987 in respect of Rural  
works Programme under DDAs and Union  
Councils in NWFP for the year 1986-87
5. Mid year Review for the Period Ending  
1-7-1987 to 31-12-1987 in respect of  
Rural works Programme under DPDAcs  
and Union Councils in NWFP for the year  
1987-88 carried over Programme

**ORGANISATIONAL CHART OF LOCAL GOVERNMENT, ELECTIONS & RURAL DEVELOPMENT  
DEPARTMENT N.W.F.P.**



R E F E R E N C E S	
DIVISIONAL DIRECTOR	5
ADMINISTRATIVE STAFF IN RURAL DEVELOPMENT DEPARTMENT	20
ASSTANT DIRECTORS RURAL DEV. DEPT.	46
SUPERVISORS	20
TECHNICAL STAFF IN RURAL DEV. DEPT.	49
ASSTANT ENGINEERS	20
SUB. ENGINEERS	1
WORK MENUSSES	13
ADMINISTRATIVE STAFF IN LOCAL COUNCILS	13
CHIEF OFFICER IN MUNICIPAL CORPORATION PESHAWAR	23
CHIEF OFFICER IN DISTRICT COUNCILS	17
CHIEF OFFICER IN MUNICIPAL COMMITTEES	17
SECRETARIES IN TOWN COMMITTEES	30
TAXATION OFFICERS IN DISTRICT COUNCILS & MUNICIPAL COMMITTEES	13
ASST. TAXATION OFFICER IN DIST. COUNCIL & MUNICIPAL COMMITTEES	13
PLAYING OFFICERS IN DIST. COUNCIL & MUNICIPAL COMMITTEES	13
STATISTICAL ASST. IN DIST. COUNCIL & MUNICIPAL COMMITTEES	13
TECHNICAL STAFF IN LOCAL COUNCILS	1
CHIEF ENGINEERS	16
EXECUTIVE ENGINEERS	34
ASSTANT ENGINEERS	34
SUB. ENGINEERS IN A-16 & B-11	120

BASIC DATA IN RESPECT OF DISTT: SWAT.

<b>A- GENERAL:-</b>				
1-	Total Population (1981 Census)...	=	12,33,0001	
2-	Total Area .....	=	8,788 Sq. KM	
<b>B- AGRICULTURE DEPARTMENT</b>				
a)	<u>TOTAL ACCUR.GE:</u>	1- Geographical area	= 8,78,838 Hecter	
		2- Reported area...	= 8,16,088 "	
b)	<u>CULTIVATED AREA:</u>	1- Total Area.....	= 1,94,981 "	
		2- Net Sown.....	= 1,94,794 "	
		3-		
c)	<u>CROPPED AREA:</u>	1- Total area.....	= 2,68,535 "	
		2- Area sown more than once	= 73,738 "	
d)	<u>UN-CULTIVATED AREA:</u>	1- Total Area.....	= 6,21,107 Hecter	
		2- Un-cultivated lands	= 15,770 "	
		3- Forest.....	= 2,13,841 "	
		4- Non available for Cultivation.....	= 3,91,495 "	
e)	<u>IRRIGATED AREA:</u>	1- Irrigated.....	= 83,585 Hecter	
		2- Un-irrigated...	= 7,32,503 "	
f)	<u>AREA IRRIGATED BY SOURCES:</u>	1- Govt: Kanals....	= 2,811 "	
		2- Private.....	= 40,000 "	
		3- Tube-Wells...	= 674	
		4- Wells....	= 10,002	
		5- Lift Irrigation pump	= 9,800	
		6- Others.....	= 20,219	
<b>C- HEALTH DEPTT:</b>				
1-	Total No. of Hospitals in Distt:	=	16	
2-	Total No. of BHUs .....	=	59	
3-	-do- Dispensaries.....	=	38	
4-	-do- MCH Centres.....	=	3	
5-	-do- H.C. " .....	=	1	
6-	-do- Leprosy Centres....	=	7	
<b>D- EDUCATION DEPARTMENT</b>				
		<u>Male</u>	<u>Fe-male</u>	<u>Total</u>
1-	Total No. of Colleges in the Distt:	5	1	6
2-	-do- High Schools	81	6	87
3-	-do- Middle Schools	77	9	86
4-	-do- Primary Schools	853	310	1163
<b>E- HIGHWAY DEPARTMENT</b>				
1-	Total Length of Mettled Road.in. Distt:	=	625.75 KM	
2-	Total length of Shingle Roads ....	=	400.82 KM	

Contd: on page-2

F-	<u>WAPDA DEPARTMENT</u>	
	1- Total No. of Villages in Distt: Swat	= 1,374
	2- -do- Villages so far electrified	= 443
	3- -do- -do- Un-electrified	= 93
G-	<u>IRRIGATION DEPARTMENT</u>	
	1- No. of Ksals in the District...	= 7
	2- -do- Tubewells	= 7
	3- -do- Left Irrigation pumps..	= 3
H-	<u>PUBLIC HEALTH DEPTT:</u>	
	1- Drinking Water supply facility extended to 20% of the population.	
I-	<u>ANIMAL HUSBANDRY DEPTT:</u>	
	1- No. of Vet: Hospital in Distt:	= 10
	2- -do- Dispensary	= 17
	3- -do- Centres	= 2
J-	<u>COOPERATIVE DEPARTMENT</u>	
	1- No. of Coop: Societies in District.	= 431
	2- Total No. of Members.....	= 21,550
	3- Share Capital.....	= 5 Crore
K-	<u>FOREST DEPARTMENT (FOREST DIVISION SWAT)</u>	
	1- Area under Forest.....	= 4,25,070 Acre
	2- Main Species.. = 1- Deyar      2- Kail      3- fir      4- Spruce      5- Chier	
L-	<u>RURAL DEVELOPMENT DEPARTMENT (IG&amp;RDD)</u>	
	1- No. of District Councils.....	No. 1      Members 33
	2- Total No. of Municipal Committees;	1      16
	3- Total No. of Town Committees...	1      8
	4- Total No. of Union Councils ...	69      541



**irdp**  
**Mardan**

Local Government & Rural Development Department N.W.F.P.  
District Council Mardan  
Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH



**PAK-GERMAN INTEGRATED RURAL DEVELOPMENT PROGRAMME MARDAN**

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P R O J E C T   B R I E F

January 1988

# SWAT IRRIGATION DIVISION

## LIST OF COMPLETED SCHEME

Sl. No.	NAME OF SCHEME	COMPLETION COST	YEAR OF COMPLETION	DISCHARGE IN CUSECS	LENGTH IN FEET	C.C.A
1	2	3	4	5	6	7
<u>IRRIGATION SCH: IN SWAT AREA</u>						
1	NIPKI KHEL IRRIGATION SCHEME .....	19500000/-	1978-79	84.88 c/s	47400	2769 ACRES
2	FATEHPUR IRRIGATION SCHEME .....	25860000/-	1978-79	15.00 "	72000	1200 "

# UWAZI IRRIGATION DIVISION

## LIST OF COMPLETED SCHEME

Sl. No.	NAME OF SCHEME	COMPLETION COST	YEAR OF COMPLETION	DISCHARGE IN CUSECS	LENGTH IN FEET	C.C.A
1	2	3	4	5	6	7
<b>IRRIGATION SCH: IN BUNIR AREA</b>						
1	GHAZI KHANI IRRIGATION SCHEME	500,000/-	1979-80	2.50cs	8000	210 ACRES
2	ELAI IRRIGATION SCHEME	726,000/-	1980-81	3.50 "	9000	277 "
3	GAGRA FLOW IRRIGATION SCHEME	13,51,000/-	1976-77	6.25 "	34,000	780 "
4	DAGGAR LIFT IRRIGATION SCHEME	8752,000/-	1930-81	22.05 "	28,000	2375 "
5	BAJKAYA IRRIGATION SCHEME	26,00,000/-	1982-83	9.00 "	26,000	1100 "
6	KORYA IRRIGATION SCHEME	70,00,000/-	1979-80	3.00 "	12,000	242 "
7	CHARORAI IRRIGATION SCHEME	29,00,000/-	1983-84	6.00 "	36,000	417 "
8	SINGARHI IRRIGATION SCHEME	1135,400/-	1984-85	6.00 "	14,500	550 "
9	KARAPA IRRIGATION SCHEME	10363,000/-	1984-85	6.50 "	58,000	822 "

LIST OF SCHEMES  
HANDLED OVER FROM PNCB IN BUNIR AREA

SL. NO.	NAME OF SCHEME	
<u>T/WELLS IN KHADU KHELA</u>		
1	QIBLA MAIRA T/WELL NO 1	FD UD
2	QIBLA MAIRA T/WELL NO 2	
<u>T/WELLS IN CHAMLA VALLEY</u>		
1	K - T/WELL	
2	2-B T/WELL	
3	4-E T/WELL	
4	4-D T/WELL	
5	5-D T/WELL	
6	6-A T/WELL	
<u>LIFT IRRIGATION SCHEME IN KHADU KHELA</u>		
1	PUNJAR LIFT IRRIGATION SCHEME	U S
2	DAGAI LIFT IRRIGATION SCHEME	U NAD A C.
<u>CHAMLA VALLEY</u>		
1	BAMIA LIFT IRRIGATION SCHEME	
2	SHAHI DHERI LIFT IRRIGATION SCHEME	
3	KOREYA LIFT IRRIGATION SCHEME	
4	RECA LIFT IRRIGATION SCHEME	
5	MAKH RANAI LIFT IRRIGATION SCHEME	
<u>FLOW IRRIGATION SCHEME</u>		
1	TOTAL 8 NO F.I.S. IN BUNIR AREA	

STATISTICAL DATA FOR THE YEAR 1987-88 (AS IT STOOD ON 31.10.1987) REGARDING N.A.F.P.

Name of Distt/ Rural	No.s of School		Elem: Mosque		Mohall: L/Middle		Primary		Total Primary		Middle		High	
	M	F	M	F	M	F	M	F	Male	Female	M	F	M	F
	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Peshavar	16	85	1	1	1	1	129	286	231	97	24	12	34	28
-do-	28	367	5	1	1	1	695	1028	1091	338	48	13	27	6
Total U + R	44	452	5	2	2	2	824	1254	1322	435	72	25	111	34
Mardan	3	28	3	2	2	2	67	124	148	66	7	7	16	10
-do-	33	348	3	2	2	2	635	1000	1016	370	47	9	72	14
Total U + R	36	376	6	2	2	2	702	1124	1144	430	54	9	88	24
Kohat	7	148	1	1	1	1	29	53	37	24	1	3	9	8
-do-	3	148	1	1	1	1	285	382	436	97	22	2	24	3
Total U + R	10	296	2	2	2	2	314	435	472	121	23	2	33	3
Karak	3	24	2	2	2	2	6	17	11	11	1	1	1	1
-do-	13	96	6	6	6	6	258	364	365	112	12	4	34	2
Total U + R	16	120	8	8	8	8	264	381	376	123	13	5	35	1
Abbot Abad	2	21	2	2	2	2	31	52	33	24	7	7	15	9
-do-	21	316	2	2	2	2	604	1000	1001	338	27	19	80	11
Total U + R	21	318	3	3	3	3	695	1092	1034	362	82	21	95	20
Mansehra	1	315	1	1	1	1	5	17	6	15	3	1	4	2
-do-	23	212	16	17	16	16	751	1023	1089	238	70	17	82	9
Total U + R	24	327	17	17	17	17	756	1040	1095	301	73	18	84	11
Kohistan	5	141	1	1	1	1	123	162	269	39	2	2	4	4
-do-	2	141	2	2	2	2	123	162	269	39	2	2	4	4
Total U + R	7	282	3	3	3	3	246	324	538	78	4	4	8	8
Bannu	5	225	16	16	16	16	17	20	22	11	3	3	6	4
-do-	225	230	16	16	16	16	347	397	772	278	48	14	62	4
Total U + R	230	455	32	32	32	32	564	827	794	282	50	17	67	4
D.I. Khan	1	29	4	4	4	4	30	33	68	49	7	5	10	9
-do-	4	162	2	2	2	2	482	571	649	196	31	5	36	7
Total U + R	5	191	11	11	11	11	520	724	717	245	30	10	46	16
SWAT	235	1588	8	8	8	8	1588	1499	823	199	75	7	82	33
-do-	235	1588	8	8	8	8	1588	1499	823	199	75	7	82	33
Total U + R	235	1588	8	8	8	8	1588	1499	823	199	75	7	82	33
Dir	249	232	12	12	12	12	604	917	853	213	27	2	29	6
-do-	232	96	7	7	7	7	537	726	774	201	50	2	56	6
Total U + R	481	328	19	19	19	19	1141	1643	1627	414	77	4	85	12
Chitral	102	102	9	9	9	9	141	212	246	58	24	2	26	3
-do-	102	102	9	9	9	9	141	212	246	58	24	2	26	3
Total U + R	204	204	18	18	18	18	282	424	492	116	48	4	52	6
Malekai	24	172	11	11	11	11	338	630	536	303	52	29	81	74
-do-	24	172	11	11	11	11	338	630	536	303	52	29	81	74
Total U + R	48	344	22	22	22	22	676	1260	1072	606	104	58	162	148
Total Rural in NWFP	130	2782	83	83	83	83	5056	8252	8774	2504	524	102	627	614
Total U + R in NWFP	154	2954	94	94	94	94	6194	8995	9310	2297	576	132	708	715

2887

BY LEVEL/STAGE/CLASS-WISE ENROLMENT IN ALL SCHOOLS FOR THE YEAR 1987-88.

Name of District	Ur:	I	II	III	IV	V	Total	VI	VII	VIII	Total	IX	X	Total	G.Total
Peshawar	Rur:	28737	9094	7896	6410	5474	57914	6877	6021	5027	17525	3816	3457	7273	83112
	Rur:	104684	24389	19935	16494	13425	178927	9636	7653	6552	23941	3805	3815	7620	210488
	Total U+R	133421	33483	27831	23194	18972	236841	16513	13674	11679	41866	7621	7272	14893	293600
Mardan	Ur:	8457	3444	3369	2873	2282	21375	2913	2553	2393	7859	1556	1564	3120	32354
	Rur:	45466	19203	17099	14868	12942	107478	9910	9249	7983	27332	4631	4276	8907	145517
	Total U + R	53923	22647	20408	17241	16134	130853	12823	11792	10373	34991	6187	5842	12027	177871
Kohat	Ur:	2938	1580	1447	1387	1594	8946	1486	1137	1227	3850	765	912	1677	14473
	Rur:	19388	7124	6049	4848	4117	41526	2844	2107	1780	6731	771	899	1630	49887
	Total U + R	22326	8704	7496	6235	5711	50472	4330	3244	3007	10581	1536	1771	3307	64360
Karak	Ur:	538	272	236	217	239	1502	213	220	252	685	95	103	198	2385
	Rur:	12162	5021	4211	3704	3518	28416	2961	2473	2197	7651	1277	1171	2448	58495
	Total U + R	12700	5293	4447	3921	3557	29918	3174	2693	2449	8316	1372	1274	2646	40830
N/Aobod	Ur:	3277	1502	1395	1356	1682	9212	2763	2482	2409	7654	1956	1828	3784	20650
	Rur:	51064	19119	17116	14338	11828	113465	8588	7196	6182	21966	3703	3124	6827	142268
	Total U + R	54341	20621	18511	15694	13510	122677	11357	9678	8591	29620	5659	4952	10611	162908
Mansehra	Ur:	873	316	322	321	427	2254	568	600	589	1757	608	598	1206	5222
	Rur:	39770	14740	12411	10438	7921	84280	6224	5233	4949	15996	2609	2476	5085	106361
	Total U + R	40643	15056	12733	10759	8348	87539	6792	5833	5138	17753	3217	3074	4291	111583
Kohistan	Rur:	4476	1326	847	710	409	7208	307	292	189	288	49	47	96	8562
Bannu	Ur:	1937	997	887	876	1093	5790	1093	923	832	2848	691	659	1350	9938
	Rur:	22123	9238	7111	6275	4049	48796	3767	3244	2591	9292	1594	1608	3202	61290
	Total U + R	24060	10235	7998	7151	5142	54586	4860	3547	3333	12140	2285	2267	4552	71278
D.I. Khan	Ur:	4539	1960	1736	1737	1237	11309	1338	1136	984	3458	891	797	1688	16195
	Rur:	14194	5998	4873	4577	3248	32890	2359	1754	1373	5506	846	715	1561	39957
	Total U + R	18733	7958	6609	6414	4485	44199	3707	2900	2357	8964	1737	1512	3249	56142
Swat	Ur:	4124	1821	1661	1388	1378	10372	906	819	636	2341	489	421	910	13413
	Rur:	50598	20124	17843	14263	12005	114833	8434	6804	5647	20885	3483	2872	6355	142073
	Total U + R	54722	21945	19504	15651	13383	125205	9340	7623	6283	23246	3922	3293	7265	155716
Dir	Rur:	29631	11627	10071	8682	7459	67520	5924	4537	3584	13865	2059	1831	3890	85275
Chitral	Rur:	5476	4073	3593	3031	2607	18734	1997	1451	1630	4538	626	531	1167	24489
Malakand	Rur:	10866	6762	4533	3975	3540	27684	2836	2277	1768	6881	1127	1103	2230	38745
Total (U) NWFP		55420	20986	18889	16895	16489	128679	18157	15891	14349	48397	10867	10339	21206	198282
Total (R) NWFP		409890	146746	125694	106203	86774	875307	65797	54055	45295	165157	26590	24428	51058	1091482
Total U + R in NWFP		465310	167732	144583	123096	103263	1003986	83954	69956	59644	215554	37457	34767	72224	1289784

M

BYLEVEL/STAGE/CLASS-WISE ENROLLMENT IN ALL SCHOOLS FOR THE YEAR 1987-88

Name of District	Ur:	I	II	III	IV	V	Total	VI	VII	VIII	Total	IX	X	Total	Grand Total
Peshawar	Rur:	13076	5173	4063	3354	2832	28498	3516	2770	2004	8320	1603	1603	3206	40824
	Ur:	13717	6073	3073	2244	1636	26417	535	613	387	1653	106	308	414	28486
Total U+R		26793	11246	7136	5598	4468	54915	4201	3383	3291	9973	1709	1911	3620	69310
Mardan	Rur:	5668	2127	1775	1399	1222	12187	1384	1001	694	3079	561	562	1123	16383
	Ur:	12765	4644	3583	2905	2317	26211	1161	290	482	2432	306	495	501	29148
Total U+R		18433	6771	5358	4204	3539	38395	2545	1291	1176	5512	867	257	1624	49531
Xobut	Rur:	3288	1025	871	832	842	6656	704	551	381	1636	310	293	603	8895
	Ur:	4031	983	803	589	368	6779	75	64	39	178	18	6	24	6981
Total U+R		7219	2011	1674	1421	1010	13455	279	315	420	354	328	299	627	15876
Karak	Rur:	456	182	129	81	107	955	74	57	33	164	26	35	61	1180
	Ur:	3169	1112	765	688	635	6369	227	188	129	344	30	29	59	6972
Total U+R		3625	1294	894	766	742	7324	301	245	162	708	56	64	120	8152
K.Abad	Rur:	3622	1398	1258	1044	1160	8482	1531	1477	1060	4168	1008	777	1785	14435
	Ur:	19038	6798	5282	3952	2972	38046	1049	842	551	3542	270	218	488	41076
Total U+R		22660	8196	6540	4999	4133	46528	2680	2319	1711	6710	1278	995	2273	55511
Mansehra	Rur:	1594	577	498	475	340	3484	360	306	233	919	259	174	413	4811
	Ur:	12080	4658	3372	2225	1629	23972	240	523	358	1621	150	118	268	25851
Total U+R		13674	5235	3868	2700	1979	27456	1120	829	591	2940	309	232	681	30677
Kohistan	Rur:	81	60	18	11	4	174	174	174	174	174	174	174	174	174
	Ur:	1840	520	443	401	350	3554	355	287	215	856	202	127	329	4731
Bannu	Rur:	5456	1130	808	521	392	8307	164	132	109	405	21	24	45	8777
	Ur:	7296	1650	1251	922	1042	11861	519	418	324	1261	233	161	394	13576
Total U+R		12752	2780	1959	1443	1434	19168	683	550	433	1666	444	185	439	14353
D.I.Khan	Rur:	3201	1201	1107	965	895	7569	911	709	729	2349	494	432	926	10644
	Ur:	4159	865	670	372	266	6332	105	103	101	309	55	24	79	6720
Total U+R		7360	2066	1777	1337	1161	13901	1016	812	830	2658	549	456	1005	17364
Swat	Rur:	2146	766	731	528	509	4580	467	310	235	1012	152	119	301	5893
	Ur:	8882	2571	1825	1369	1007	15654	360	236	100	696	48	20	68	16448
Total U+R		11028	3337	2456	1897	1516	20234	827	546	335	1708	200	139	369	22341
D.I.	Rur:	6392	1696	1165	882	691	10826	303	163	86	552	55	42	97	11475
	Ur:	984	655	575	456	384	3054	179	165	93	427	34	84	118	3609
Chitral	Rur:	3211	1323	1282	1007	782	8206	528	391	213	1032	143	112	252	9592
	Ur:	34909	12967	10775	9069	8057	75777	9452	7467	5584	22503	4595	4152	8747	107029
Total (R) in N.F.P.		34319	32576	23219	17224	13115	180453	5546	5110	2748	13404	1246	1190	2436	196291
Total U+R in N.F.P.		129228	45543	33994	26293	21172	256250	14998	12377	8322	35907	5841	5342	11183	303320

CATEGORY-WISE TEACHING STAFF IN ALL SCHOOLS (MALES FEMALE) FOR THE YEAR 1987-88

Name of District	Sex	B.Ed	M.Ed	CT	S.V	O.T	J.V	D.M	PTI	A.V.I	T.T	Qari	A.T	V.I	Total	B.A	F.A	Matric	Other	Total	G.Total
Peshawar	Male	543		489	377	44	3807	188	207	38	181	107	141	7	6129	103	66	535	180	684	6813
"	Female	182		154	107	29	1285	61	61	6	85	31	35		2046	34	72	215		321	2367
Total (M)+(F)		725		643	484	73	5092	249	268	44	266	138	177	7	8175	137	138	550	180	1005	9180
Mardan	Male	479		441	355	1	1999	147	157	33	156	94	123	16	3995	106	79	823	404	1460	5455
"	Female	73		58	30	1	577	23	29		29	17	13		850	165	28	523		710	1565
Total (M)+(F)		552		499	385	2	2576	170	186	33	185	111	136	10	4845	271	107	1346	404	2176	7021
Kohat	Male	194		173	148	12	728	70	69	12	67	51	52	3	1539	82	126	430	1	659	2218
"	Female	44		53	31		288	18	18		17	13	11		493		9	116		125	616
Total (M)+(F)		238		226	179	12	1016	88	87	12	84	64	63	3	2032	82	135	546	1	784	2834
Karakoram	Male	139		131	91	8	861	53	52	12	50	34	34	3	1468	20	36	5	16	77	1543
"	Female	21		25	14		188	14	11		11	6	4		290			121		121	411
Total (M)+(F)		160		156	105	8	1049	67	63	12	61	40	38	3	1758	20	36	127		198	1954
L/Load	Male	364		326	243	23	1736	159	192	30	187	77	125	2	3545	155	266	777	335	1535	5072
"	Female	111		117	73		749	41	44		41	22	28		1232		1	294		327	1630
Total (M)+(F)		475		443	316	23	2485	200	236	33	228	99	253	2	4777	157	267	1071	335	1930	6708
Mansehra	Male	255		251	209		1832	112	124	15	171	56	90	2	3171	108	61	653	5	827	3330
"	Female	60		70	44		842	30	30		30	10	17		1133		17	17		17	1150
Total (M)+(F)		315		321	253		2674	242	154	15	201	66	107	2	4304	108	81	670	5	844	5180
Kohistan	Male	15		14	8		148	7	7		8	4	7		218	2	8	357		367	578
"	Female						2								2			76		76	78
Total (M)+(F)		15		14	8		150	7	7		8	4	7		220	2	8	433		443	656
Bannu	Male	259		241	199	8	1406	107	114	29	102	52	96	6	2619	23	21	394	12	449	3068
"	Female	43		54	25		346	21	25		25	8	19		576		4	221	8	341	617
Total (M)+(F)		302		295	224	8	1752	128	139	29	127	60	115	6	3195	23	25	615	20	790	3685
D.I.Khan	Male	227		237	191	18	1577	99	100	31	93	66	38	6	2733	43	18	295	29	385	3118
"	Female	80		69	43	28	524	29	28		26	16	16		852			144	6	152	1002
Total (M)+(F)		307		306	234	46	2101	128	128	31	119	82	54	6	3585	43	18	439	35	535	4120
Swat	Male	385		336	333		2028	94	163	8	344	70	115	16	3892	176	178	864	87	999	4897
"	Female	26		10	18		226	8	7		20	6	1		322	13	52	260	131	456	778
Total (M)+(F)		411		346	351		2254	102	170	8	364	76	116	16	4214	189	230	1124	210	1455	5666
Dir	Male	215		197	149		1186	75	82	82	218	61	30	4	2299	160	179	645	233	1217	3310
"	Female	17		6	5		35	5	5		17	2	4		106	23	43	421		487	533
Total (M)+(F)		232		202	154		1241	80	87	82	235	63	34	4	2405	183	222	1066	232	1704	4104
Chitral	Male	87		98	52		420	26	40	4	116	25	27		895	56	65	199	36	297	1192
"	Female	5		17	2		86	2	2		3	1			118		7	57	1	72	190
Total (M)+(F)		92		115	54		506	28	42	4	119	26	27		1013	63	72	256	37	369	1382
Malakand	Male	121		123	77		497	42	48	4	98	27	29		1055	36	65	91	42	235	1290
"	Female	20		20	6		201	6	6		17	1	1		270	15	4	31		50	327
Total (M)+(F)		141		143	82		698	48	54	4	115	27	30		1325	51	69	122	42	285	1617
Total NWFP MALE		3283		3057	2432	114	18225	1179	1353	258	1782	698	957	59	33578	1064	1169	5976	1381	9190	42768
"	(F)	682		73	403	58	5379	249	265	9	321	132	124		8298	263	218	2702	146	3229	11627
Total NWFP (M)+(F)		3965		3730	2835	172	23604	1428	1618	307	2103	830	1091	59	41876	1327	1387	8278	1527	12519	54395

547-41

1772







LAND UTILIZATION STATISTICS OF SWAT DISTRICT FOR THE YEAR 1985-86 (AREA IN HECTERS)

Tehsil/ Sub-Division Code	Total Area hectares (4,9)	Cultivated Area		Cropped Area		Uncultivated Area		Not available for cultivation			
		Total Cult.	Net Sown	Current Fallow	Total Area Cult. more than 540 hect.	Total of Culturable Waste (15+11+12)	Forest				
1	2	3	4	5	6	7	8	9	10	11	12
Duggar (Durr)	-	17229	54505	80	90972	36324	117827	5901	32099	79627	
Alpuzi (Shayla Pa.C)	-	137434	4425	104	56623	15432	56009	4181	39058	51970	
Swat	-	429843	98828	54522	14306	38154	390905	1720	24509	173206	
Total of Swat Distt:	-	700174	194923	150341	44500	240251	89910	60454	10382	286466	307003

AREA IRRIGATED BY DIFFERENT SOURCES OF SWAT DISTRICT FOR THE YEAR 1985-86 (HECTERS)

Tehsil	Total Irrigated Area	Canals		Tanks	Tube wells		Lift pumps		
		Govt.	Private		Govt.	Private	Govt.	Private	
Duggar	4262	-	-	-	431	-	1902	-	2741
Alpuzi	2944	-	-	-	-	-	-	-	2944
Swat	83546	1386	40500	-	243	9000	9000	9800	22617
Total of Swat Distt:	90754	1476	40500	-	674	10000	10000	9800	28302

CHUAT SHOWING AREA, PRODUCTION AND YIELD / AREA OF VARIOUS CROPS IN NW/8 CHUAT DISTRICT FOR THE YEAR 1984-85

Type of Crop	Area Sown in Hectars			Production in Tonnes			Yield / Acre in Mds.		
	Irrig.	Un-Irrig.	Total	Irrig.	Un-Irrig.	Total	Irrig.	Un-Irrig.	Total
Wheat	20200	6474	10454	34950	85942	11992	16.27	10.98	10.98
Maize & Mustard	137	2833	3070	80	1057	1137	6.33	3.90	3.90
Barley	48	4697	5177	563	5184	5747	12.71	11.96	11.96
Onion	1803	75	1910	28493	525	29018	167.58	75.88	75.88
Ashi Fodder	6075	2475	8550	400841	41084	141925	178.93	179.93	179.93
Matter	105	79	184	53	41	94	5.47	5.62	5.62
Mustard	27	1428	1455	27	1221	1248	10.84	9.26	9.26
Garlic	39	2	41	306	12	318	81.60	65.04	65.04
Coriander	—	—	—	—	—	—	—	—	—
Apple	813	8	821	5176	40	5216	82.34	54.20	54.20
Rad. vegetables	1122	190	1312	14425	2031	16456	139.36	119.87	119.87
Maize	25250	73000	98250	47561	93299	140860	20.41	13.85	13.85
Rice	20635	—	20635	32740	—	32740	17.20	17.20	17.20
Sugarcane	1930	480	2390	78939	992	89831	442.80	235.46	235.46
Mash	—	2320	2320	—	1717	1717	—	8.02	8.02
Mung	—	3045	3045	—	2529	2529	—	9.0	9.0
Others	—	—	—	—	—	—	—	—	—
Tobacco	—	—	—	—	—	—	—	—	—
Wheat Fodder	80	2521	2601	1452	46408	47858	196.74	189.54	189.54
Chillies	107	—	107	143	—	143	14.48	—	—
Peas	2600	445	3045	34553	2894	37437	144.05	75.33	75.33
Soyabean	1265	515	1780	354	50	404	3.03	1.26	1.26
Mustard	12	—	12	15	—	15	1.5	1.7	1.7
All vegetables	1000	74	1074	12841	743	20583	102.2	120.12	120.12
Wheat Fruits	3642	905	4547	45596	9402	54718	135.71	109.26	109.26

STATEMENT SHOWING SUB TENSILS-WISE POPULATION, CULTIVABLE AND NON CULTIVABLE AREA AND TOTAL THEREOF, IN RESPECT OF ALPURI/SIRINGLA PAR SUB DIVISION OF DISTRICT SMT.

S.NO	NAME OF SUB TENSIL	P O P U L A T I O N			CULTIVABLE AREA		NON CULTIVABLE AREA		TOTAL AREA	
		Population according to census 1960-61. (A)	Increase at the rate of 2 1/2 per cent per year. (B)	Total present population. (A+B)	In Kants (C)	In square Kilometres. (D)	In Kants (E)	In square Kilometres. (F)	In Kants (GHS)	In square Kilometres (DHF)
(1)	ALPURI.	1,02,659	19,370	1,22,029	4,04,276	202.14	7,28,578-06	364.29	11,32,854-06	566.43
(2)	BESHIM.	31,073	5,863	36,936	1,04,472	52.24	2,04,750-14	102.37	3,09,222-14	154.61
(3)	CHAKESAR.	38,925	7,345	46,270	1,35,576	67.79	3,31,409-11	165.20	4,66,985-11	233.49
(4)	HANTUNG.	33,591	6,333	39,929	89,136	44.27	4,25,013-13	112.51	3,74,149-13	157.03
(5)	FURAH.	44,635	8,460	53,295	1,63,424	82.71	3,28,273-06	164.14	4,93,696-06	246.85
GRAND TOTAL.		2,51,033	47,376	2,98,459	8,83,854	449.45	18,18,024-10	909.01	27,16,908-10	1368.46

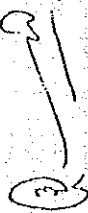
*N. R. Ramesh*  
FIELDAR ALPURI.  
7

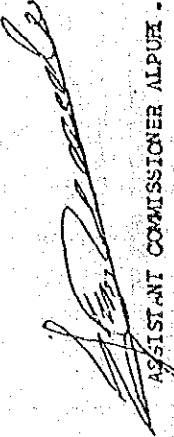
8 Kanal = one acre

*[Signature]*  
ASSISTANT COMMISSIONER/  
SUB DIVISIONAL COLLECTOR ALPURI.  
23/

PARTICULARS REGARDING HEALTH OF FACILITIES IN ALPURI/SHANGLA PAR SUB DIVISION.

<u>S.NO.</u>	<u>Location of Health Institution.</u>	<u>Name of Health Institution with Strength.</u>	<u>Strength of qualified Medical Officers/Compounder.</u>
1)	ALPURI.	Civil Hospital of 35 Beds.	2 MBBS Doctors/Medical Officers. 1 Dental Surgeon
2)	XARORA.	Civil Hospital of 20 Beds.	1 MBBS Doctor/Medical Officer.
3)	BESHAM.	Civil Hospital of 30 Beds.	2 MBBS Doctor/Medical Officer.
4)	PURAN.	Civil Hospital of 20 Beds.	1 MBBS Doctor/Medical Officer.
5)	CHAKESAR.	Civil Hospital of 20 Beds.	1 MBBS Doctor/Medical Officer.
6)	OLAN DAR.	Basic Health Unit.	1 Compounder.
7)	DAMORAI.	Basic Health Unit.	1 Compounder.
8)	MARTUNG.	Basic Health Unit.	1- MBBS Doctor/Medical Officer
9)	KABELSPAM.	Basic Health Unit.	1 Compounder.
10)	LONGRANR.	Dispensary.	1 Compounder.
11)	CHONGA.	Dispensary.	1 Compounder.
12)	TITWALAN.	Dispensary.	1 Compounder.
13)	KOTKAY.	Dispensary.	1 Compounder.
14)	LILONAI.	Dispensary.	1 Compounder.
15)	SHHPUR.	Dispensary.	1 Compounder.
16)	TUNA.	Basic Health Unit.	1 Compounder.
17)	OPAL.	Basic Health Unit.	1 Compounder.

  
 MEDICAL OFFICER CIVIL HOSPITAL  
 ALPURI.

  
 ASSISTANT COMMISSIONER ALPURI.

STATEMENT SHOWING THE NO. OF A.I. CENTRES/SUB CENTRES & PROGRESS OF WORK PERFORMED DURING 1987-88 OF SWAT DISTT.: OFFICE OF THE ASSTT. DIRECTOR, ARTIFICIAL INSEMINATION, SAIDU SHARIF, SWAT.

OFFICE STAFF.		No. of Inseminsters psted.		No. of Vety:Officer.	
1) A.D.A.I.....	One.				
2) S.Clerk.....	One.				
3) J.Clerk.....	One.				
4) <i>Asst. Dir.</i>					
5) <i>N. Official</i>					

Name of A.I. Centre/Sub Centre in Distt:Swat.	Two Nos.	One
1) A.I. Centre, Saidu Sharif.	One.	One
2) " " " " " "	One	-
3) " " " " " "	One	-
4) " " " " " "	One	-
5) " " " " " "	One	-
6) " " " " " "	One	-
7) " " " " " "	One	-
8) " " " " " "	One	-

II) Progress of work performed from 1/7/87 to 21/5/1988.

- 1) Total No. of Cow Inseminated..... 1805/
- 2) Total No. of Buff: " ..... 495

Total:- 2300

*Asst. Director*  
7/6/88

A BRIEF NOTE ON THE ACTIVITIES OF LIVESTOCK & DAIRY DEVELOPMENT  
DEPARTMENT, SWAT.

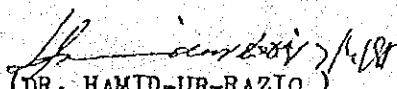
1. No. of Veterinary Hospitals. . . . . = 10
2. No. of Veterinary Dispensaries. . . . . = 17
3. No. of Veterinary Centres. . . . . = 2
4. No. of Veterinary Dispensaries working on  
no cost basis . . . . . = 2 i.e. Shahderai  
& Tall.
5. No. of Mobile Veterinary Posts. . . . . = 10

VETERINARY STAFF.	SANCTIONED STRENGTH.	ON ROLL.
<b>A) OFFICE STAFF.</b>		
1. Asstt: Director, L.D.D. Swat.	One.	One.
2. Clerks. . . . .	Four	Four.
3. Grade-I Staff. . . . .	Five.	Five.
<b>B) FIELD STAFF.</b>		
1. Veterinary Officer (Health).	15	13
2. Vety: Compounders / Stock Assistants.	52	52
3. B.P.S. No. I Servants.	83	83
4. Drivers. . . . .	2	2

Livestock Population of District Swat (According to Livestock  
Census - 1976).

Cattle.	Buff:	Sheep.	Goats.	Camels.	Asses.	Horses.	Mules.
335610	120628	95545	318499	18007	16730	1252	1330

Poultry.  
877994

  
 (DR. HAMID-UR-RAZIQ)  
 ASSISTANT DIRECTOR LIVESTOCK,  
 & DAIRY DEVELOPMENT, SAIDU SHARIF,  
 SWAT.



Brief Notes on  
Public Health Engineering  
Activities in  
Distt: Swat.

XEN P. H.E SWAT  
APRIL 1988.

BRIEF NOTES ON DRINKING WATER SUPPLY ARRANGEMENTS  
BY PUBLIC HEALTH ENGINEERING DIVISION SAIDU SHARIF  
IN SWAT.

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INTRODUCTION.

Provincial Public Health Engineering Department deals with drinking water arrangements and Sewerage disposal facilities in both rural and urban areas of N.W.F.P. This Department started its activities towards providing neat and clean drinking water in Malakand Civil Division in the year 1974-75. An Executive Engineer with (3) Assistant Engineers alongwith other staff are responsible for Planning, designing, implementing, completing and maintenance of drinking water projects in the District of Swat and Malakand Agency.

Apart from Public Health Engineering Department, other Department/Agencies like District Council, Union Council, Municipal Committee and Anti Narcotic Agency are also busy in implementing drinking water projects in their respective areas.

Most of the Population is still without hygienic and potable drinking water and due to non Provision of this basic facility of humen life to the un served population of the area, the diseases like dysentary, Cholera and Typhoid are not beyond expectation.

Major parts of the Swat District and Malakand Agency are lands of high mountain ranges and deep valleys. Most of the population is living in these deep valleys on the slope of hill ranges. The people living in the slope of the mountains go either deep down to the nullahs or to the distant springs located in the upper portion of the hills to fetch water for domestic use. Climbing down and upto the hill ranges make the work of fetching drinking water, more cumbersome and tedious. The women of the area are the worst affected. After bringing the small quantity of water, these poor fellows do not know whether the water brought for use is hygienic or otherwise.

District Swat is comprised of (3) administrative Sub Divisions i.e Swat, Alpuri and Daggar and is scattered to a total area of 8788 Sq:Kilometer, with a total population of 1.506 millions souls in the year 1988 A.D.

The Department has so far completed 110 W.S.Schemes in whole of District Swat. The break up of the completed W.S.Schemes in respect of each administrative Sub Division is as below:-

S.No.	Name of Sub Division	Sources.				Total
		Spring	I.G	T/Well	S/W	
1.	SWAT.	13	2	15	12	42
2.	DAGGAR.	20	1	9	9	39
3.	ALPURI.	29	-	-	-	29
		62	3	24	21	110

As stated above, the total population of the District stands as 1.462 millions souls in the year 1987. The Department has so far extended the piped and hygienic drinking water facilities to a total population of 0.257 million persons and accordingly the population coverage in the year 1987 is of the order of 19.07%.

During the current financial year of 1987-88, 38 Nos W.S. Schemes are in progress and are in different stages of its completion. Apart from drinking water supply projects, (3) sanitation projects are also appearing in the Annual Development Programme for villages Toor Warsak, Chinda Khura and Jura. The total allocation of the projects during the current year is Rs:21.728 millions.

As per schedule given by the Govt: of NWFP., additional 30 Nos schemes are expected to be completed by the end of current fiscal year upto June 1988 and as such an additional population of 91194 souls in rural areas will be benefitted. The coverage of population in term of drinking water facilities so achieved will be of the order of 25.06% for the District Swat as a whole.

Nothing has so far been done in the field of sanitation facilities both in urban and as well as in rural areas of the District. By coming up and completing number of drinking water projects and also improvements in Socio-economic conditions of the people, an immediate attention has to be paid to this field.

Name of the project appearing in the current Annual Development Programme is produced as below:-

S.No.	Name of Scheme.	Allocation.
1.	W.S.Scheme Rang Mohallah.	0.466
2.	W.S.Scheme Toor Warsak(I&E)	0.740
3.	W.S.Scheme Chinda Khura.	1.072
4.	W.S.Scheme Shokh Dara.	0.300
5.	W.S.Scheme Dangram Ph-II.	0.133
6.	W.S.Scheme Sar Banda.	0.400
7.	W.S.Scheme Bodigram.	0.501
8.	W.S.Scheme Baidara.	0.798
9.	W.S.Scheme Sakhra.	0.085
10.	W.S.Scheme Shakar Dara(I&E)	0.895
11.	W.S.Scheme Dermai.	0.203
12.	W.S.Scheme Pacha Killi.	0.867
13.	Imp: of WSS Jawar Bazargai.	0.633
14.	W.S.Scheme Barikot.	0.600
15.	W.S.Scheme Hisar.	0.300
16.	W.S.Scheme Anghapur.	0.650
17.	W.S.Scheme Manyar.	0.400
18.	W.S.Scheme Behrain.	0.361
19.	W.S.Scheme Bara Bandi.	0.450
20.	W.S.Scheme Sowarai.	0.598
21.	W.S.Scheme Kalpani.	0.450
22.	W.S.Scheme Kulyari.	0.747
23.	W.S.Scheme Neem Kalay Aloooh.	0.082
24.	W.S.Scheme Gomrash(Chekasar)	0.205
25.	W.S.Scheme Batagram Korman (Besham)	0.197
26.	W.S.Scheme Jano and Langar.	0.886
27.	W.S.Scheme Chalyar and Dop.	0.709
28.	W.S.Scheme Tegrari Titabat Shamak.	0.400
29.	W.S.Scheme Koza Banda.	0.550
30.	W.S.Scheme Kala Kalay/Galoach.	0.700


<u>S.No.</u>	<u>Name of Scheme</u>	<u>Allocation.</u>
31.	W.S.Scheme Kanjo(Kabal)	0.659
32.	W.S.Scheme Dakorak.	0.592
33.	W.S.Scheme Kokarai.	0.800
34.	W.S.Scheme Qamber Ph-II	0.291
35.	W.S.Scheme Swawi.	0.290

NEW SCHEMES.

36.	W.S.Scheme Hisar Baba (Feasibility).	0.050
37.	W.S.Scheme for Bara Kali and Kuz Kali villages in Chamla area(Feasibility).	0.050
38.	Sanitation scheme Toor Warsak.	1.000
39.	Sanitation scheme Chinda Khura.	0.600
40.	Sanitation scheme Jura.	1.018
41.	W.S.Scheme Thana Karboti & Domnair.	1.000

Total:- 3.718

G-Total:- 21.728

  
 ENGR. S. SAEEDUL HASSAN RIZVI  
 EXECUTIVE ENGINEER  
 PUBLIC HEALTH ENGINEERING DIVN:  
 SAIDU SHARIF (SWAT)  
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JICA