

## SALIENT FEATURES

1. **NAME OF PROJECT** : Kabhre Irrigation Project  
Category : New / Hills
  
2. **LOCATION**
  - 2.1 Location : Kabhre , Mainapokhari
  - 2.2 VDCs : Kabhre 3,4 , 6 and 8
  - 2.3 District/ District headquarter : Dolakha / Charikot
  - 2.4 Zone/ Development region : Janakpur/ Central
  - 2.5 Physiographic division : Hill
  - 2.6 Accessibility
    - a. Nearest Airport : Kathmandu
    - b. Nearest Roadhead : Charikot – Tamakoshi - Kabhre
  - 2.7 Geographical Features
    - a. Latitude : 27°38'35"N to 27°39'03"N
    - b. Longitude : 86°06'52" E to 86°10'28" E
  - 2.8 Topographical Map No. : 2786 05C (Scale 1:25,000)
  - 2.9 LRMP Map No. : N.A.
  - 2.10 Elevation : 2200 mmsl
  - 2.11 Marketing Facilities : Naya Pul,, Mainapokhari Bazar, Charokot 38 Km from project site.
  
3. **COMMAND AREA**
  - 3.1 Gross Command area : 160 Ha.
  - 3.2 Net command area : 120 Ha.
  - 3.3 Soil (Suitability for rice) : Loamy,
4. **HYDROLOGY**
  - 4.1 Hydrological region : 3
  - 4.2 Name of source : Khari Khola and Kagate Khola
  - 4.3 Type of source : Perennial
  - 4.4 Measured discharge : 785l/s (25<sup>th</sup> November 2013)
  - 4.5 High Flood Discharge : NA
  - 4.6 Bed Material/River stage : Fine Sand and River Pebbles, boulders
  - 4.7 River Course : Perennial, Braided & Meandering
  - 4.8 Water Right Problem : None
  
5. **CANAL**
  - 5.1 Main Canal length : 7 Km. (Lined and Pipe canal)
  - 5.2 Canal side Slope : none
  - 5.3 Canal Bed slope : none
  - 5.3 Design Discharge at intake : 150 l/s
  - 5.4 Ideal Canal Length : 0.9 Km
6. **BENEFICIARIES**
  - 6.1 Population : 850Nos.
  - 6.2 Household : 150 Nos.
  - 6.3 Household size : 5.66
  - 6.4 Food Situation : Deficit

**7. SCOPE OF PROPOSED WORKS**

- Side Intake chamber
- Protection work
- Pipe Laying work
- Offtakes
- BPT etc.

**9. PROJECT COST**

8.1	Total Project Cost	:	NRs 2,68,65,600
8.2	Cost per Ha	:	NRs. 2,23,880.00
8.5	Cost sharing by WUA	:	NRS 9,58,809.50

**11. ECONOMIC ANALYSIS**

11.1	Increased Cropping Intensity	:	12%
11.2	Crop Yield Increment (average)	:	21%
11.3	EIRR	:	23.59%
11.4	B/C Ratio at 10.00 % discount rate	:	2.14
11.5	B/C Ratio at 12% discount rate	:	1.87
11.6	Sensitivity analysis results:		
11.6.1	EIRR at Increased in cost	:	21.58%
11.6.2	EIRR at Decrease in profit	:	21.47%
11.6.3	EIRR at Increased in cost and decrease in profit	:	19.52%

11.7 Benefit from project after irrigation :

**12. ENVIRONMENTAL SITUATION :** Environmentally friendly & Positive impact

**13. DEMAND FOR PROJECT :** Genuine and Demand Driven

<b>Recommendation : Recommended for Implementation.</b>
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