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### Chapter I: Physical and cultural background of the study Area.

Location and Extent; Physiography; Drainage system; climatic characteristics: Temperature; Relative Humidity; Rainfall; soils; Natural vegetation; Population characteristics; Growth of Population; Distribution of population, Density of population, General Density; Physiological Density; Agricultural Density, Literacy; Sex composition, Occupational structure and size of operational land holding.

### Chapter II: Sources of Irrigation

Sources of Irrigation: Canals, tube-wells, wells, Tanks, other sources, Growth in sources of irrigation; Density of sources of irrigation and irrigation orientation.

### Chapter III- Intensity of Irrigation

Intensity of irrigation; intensity of irrigation in Kharif Season; Intensity of irrigation in Rabi season and growth in intensity of irrigation.
Chapter IV- Land use and Irrigation

Forests, land not available for cultivation, culturable waste land, Net cultivated land, Total cropped land, crop land use pattern, and crops irrigated Area. Crop diversification, cropping intensity, growth in cropping intensity and correlation between irrigation intensity and cropping intensity.

Chapter V- Agricultural Mechanization and irrigation

Mechanization, growth in farm power, respondent's opining about use to farm power, correlation between irrigation intensity and mechanization, irrigation and use of chemical fertilizers, respondent's opinion about use of chemical fertilizers, irrigation and area under H.Y.V. seeds, respondents opinion about the use of H.Y.V. seeds, correlation between irrigation intensity and area under H.Y.V. seeds and plant protection measures.

Chapter VI- Agricultural Productivity and Irrigation

Productivity of cereals, productivity of pulses, productivity of cash crops, productivity of oil seeds, growth in agricultural productivity and correlation between irrigation intensity and agricultural productivity.
Chapter VII- Problems and Planning

Need for irrigation, irrigation requirement and irrigation development, perception survey for irrigation water management, efficient use of irrigation water, ensuring adequate and timely availability of irrigation water, adverse effect of irrigation, adoption of efficient technology, campaign to educate farmers, help needs from government for self irrigation development and measures to be adopted to check wastage of irrigation water.

Summary and Conclusion

References

Appendices