

# WATER RESOURCE ENGINEERING

## SURVEY - GIS MAPPING FOR RWSS PROJECT

EXECUTION OF RURAL PIPED WATER SUPPLY PROJECTS PERTAINING TO BHEDEN & BARPALI BLOCK OF BARGARH DISTRICT INCLUDING FIVE YEARS OPERATION & MAINTENANCE UNDER ONE PACKAGE – ON EPC CONTRACT.

# 2020

Survey Consultancy and Investigations reporting of the proposed project to generate base map through GCP by surveying with DGPS and Total Station.

ONLY FOR REFERENCE



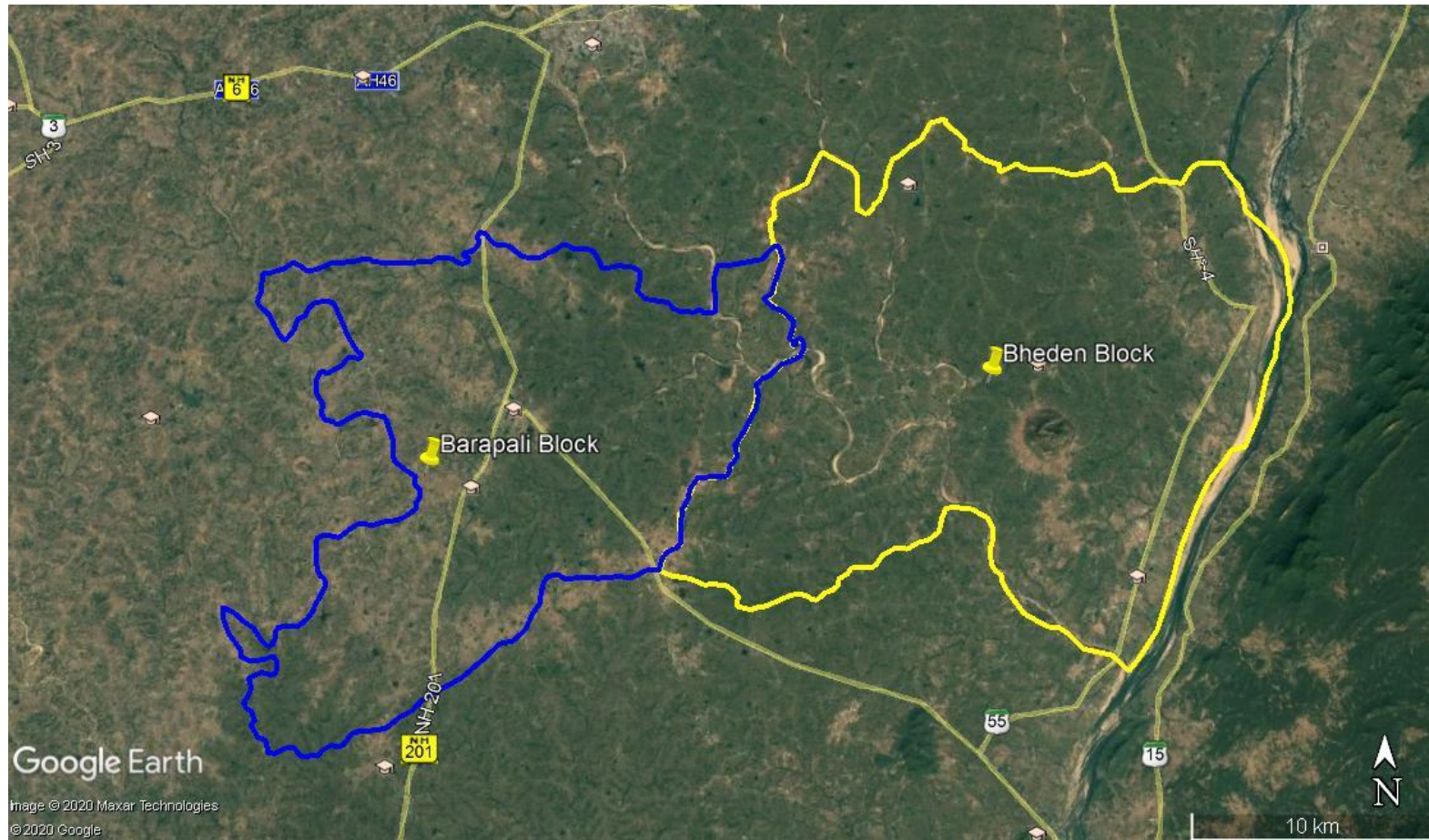
## SCOPE OF PROJECT

DPR for Surveying and Investigation of topographical survey using DGPS and Total Station for the rural drinking water supply and preparation of GIS mapping for precision which may be used for feasibility and detailed engineering and other works like

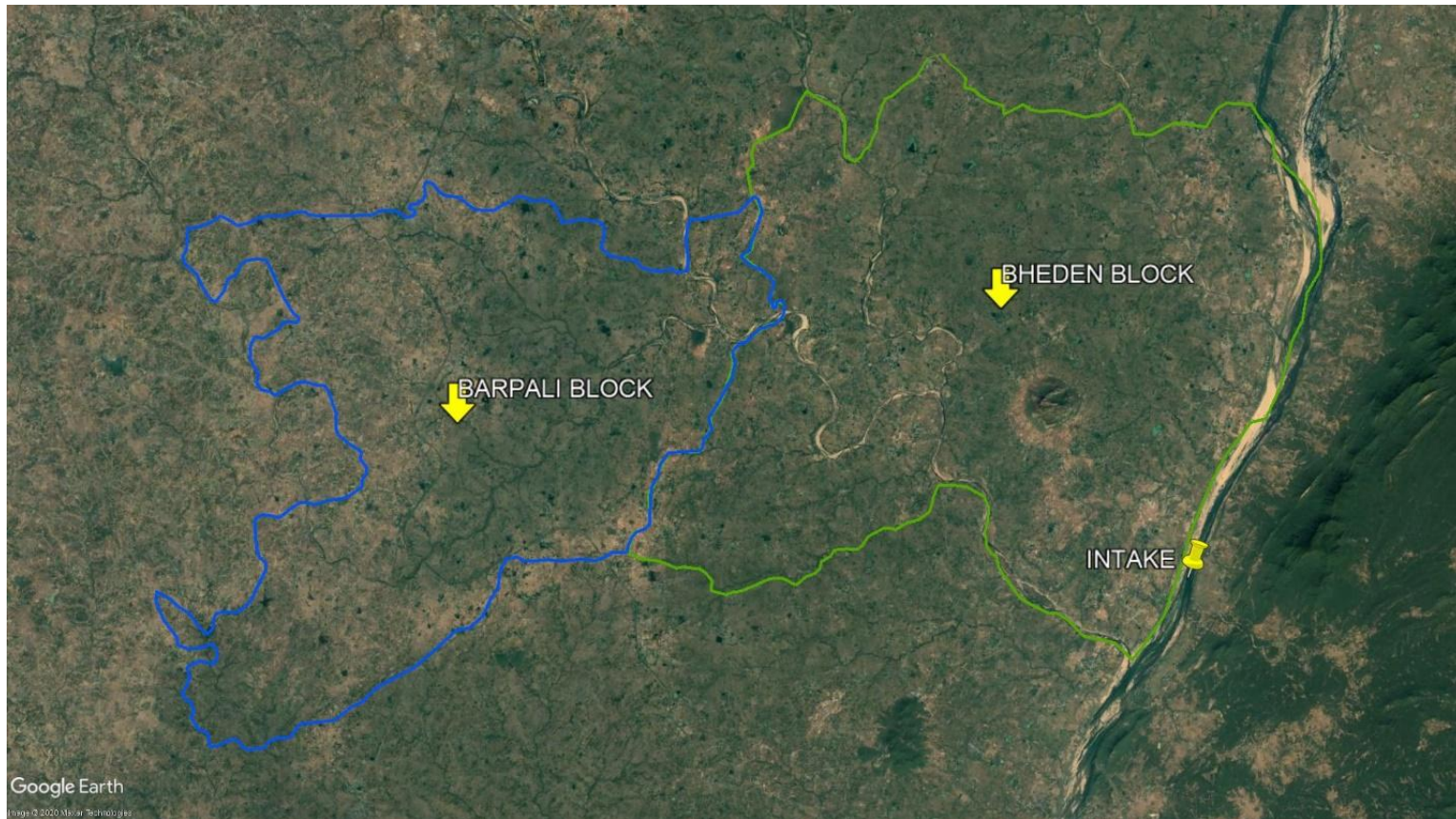
- **Site investigations**
- **Marking GCP with DGPS**
- **Marking points with Total Station**
- **Data Processing**
- **Preparation of Base Map**
- **Geo referencing**
- **Generating Satellite Imagery**
- **Preparation of contours**
- **Preparation of Topographical Maps**
- **Generating L section of Pipelines**
- **Site Inventory Reporting**
- **Coordinates of Water Bodies**
- **Preparation of Maps and Drawings**
- **L Section for Rising and Gravity Pipeline**
- **Final Documentation Reports**



## LOCATION SURVEY COORDINATES



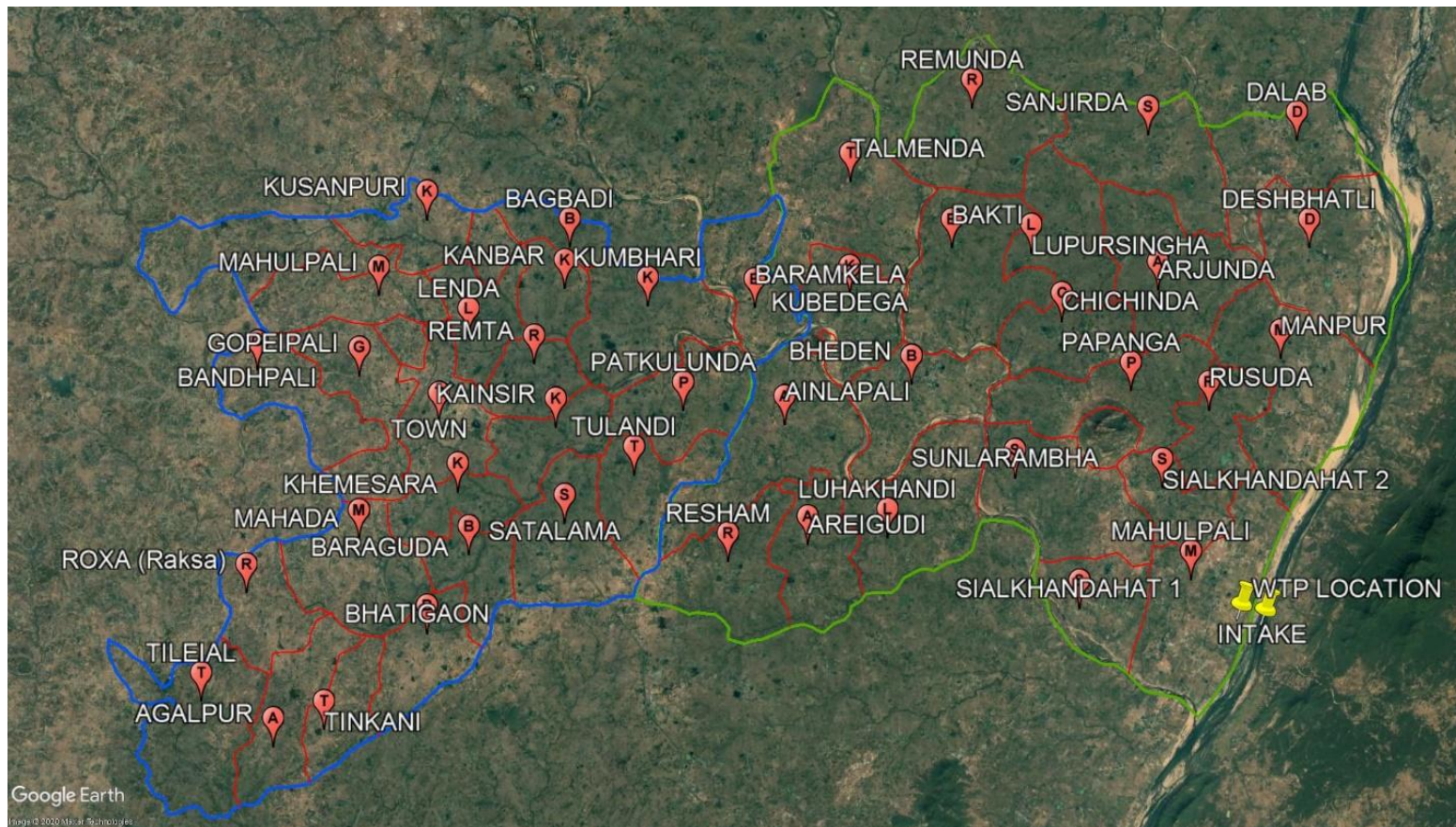
## SOURCE SURVEY COORDINATES



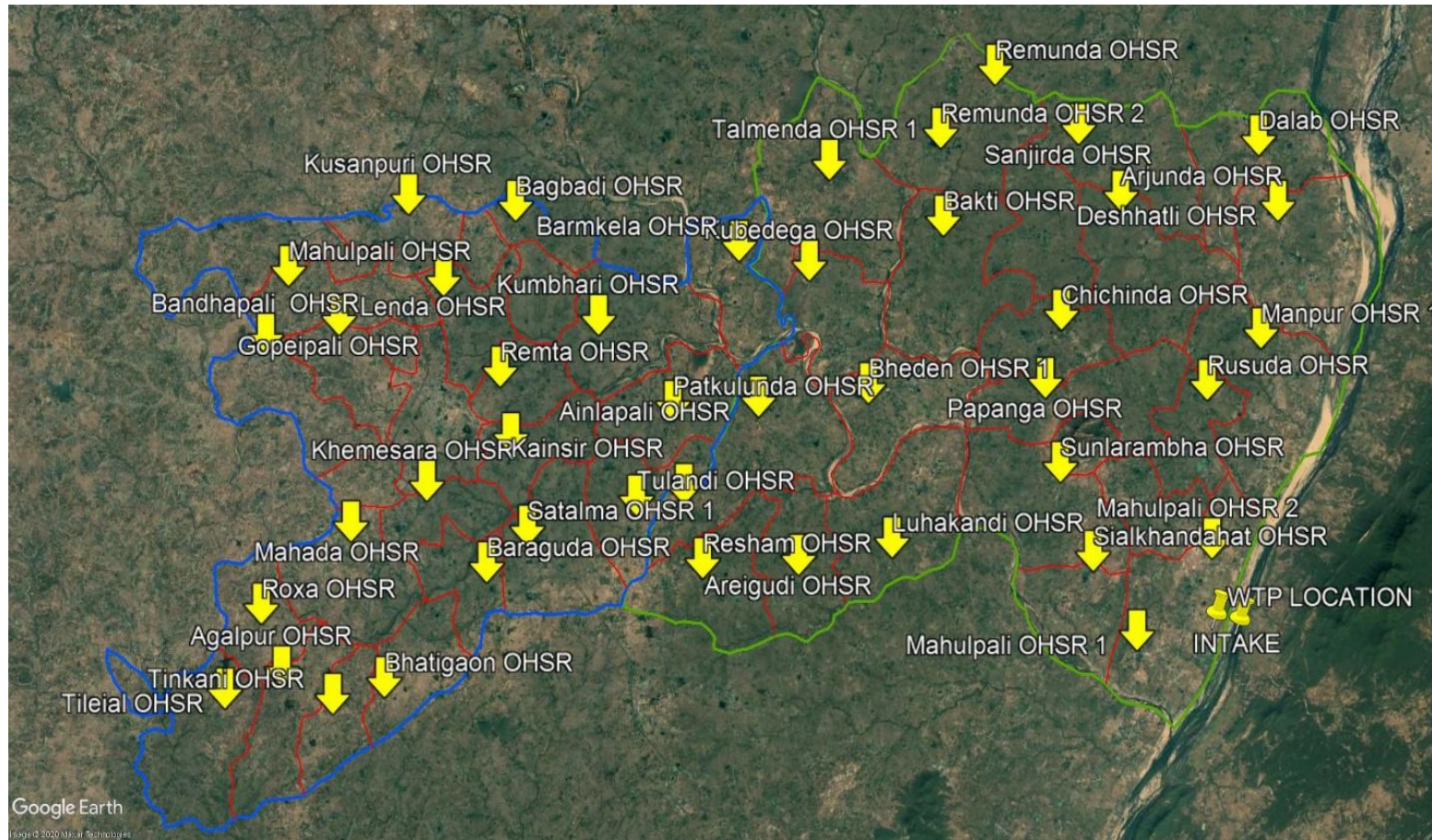
## WTP & SUBMERSIBLE COORDINATES



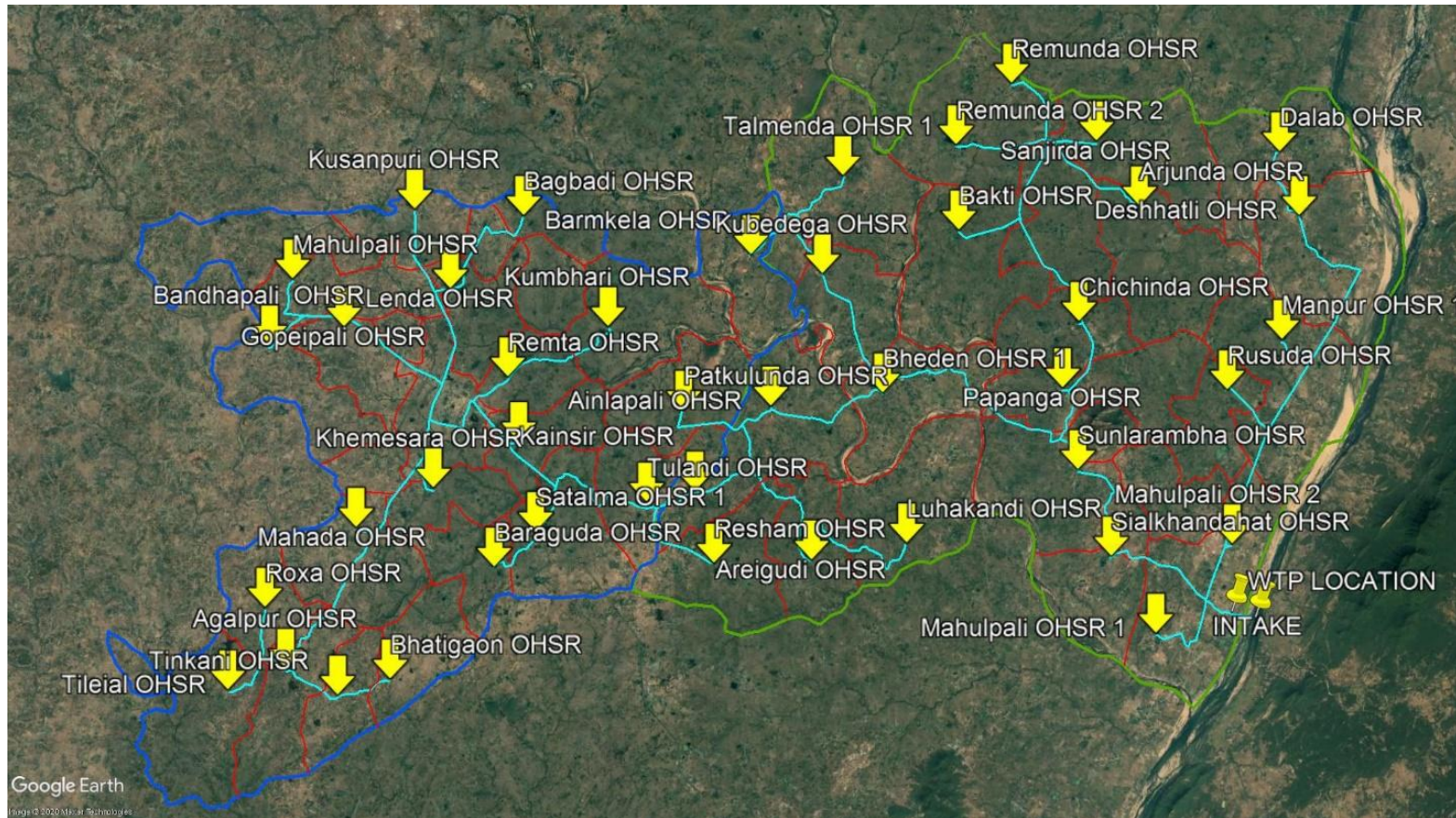
## GRAM PANCHAYATH'S COORDINATES



## OHSR HIGHEST ELEVATION COORDINATES



## CLEAR WATER DISTRIBUTION NETWORK





**REFERENCE:**

- Tender documents
- CPHEEO MANUAL and other standard manuals.

Note: This proposed document is only for reference and can't be used for any other purpose.

*PHANS4 is into diverse engineering consulting services especially in water sector with works carrying out like DGPS surveying consulting and Total Station consulting also integrating GIS application for processing data as per client requirement.*

*FOR DISCUSSIONS CONTACT US*

