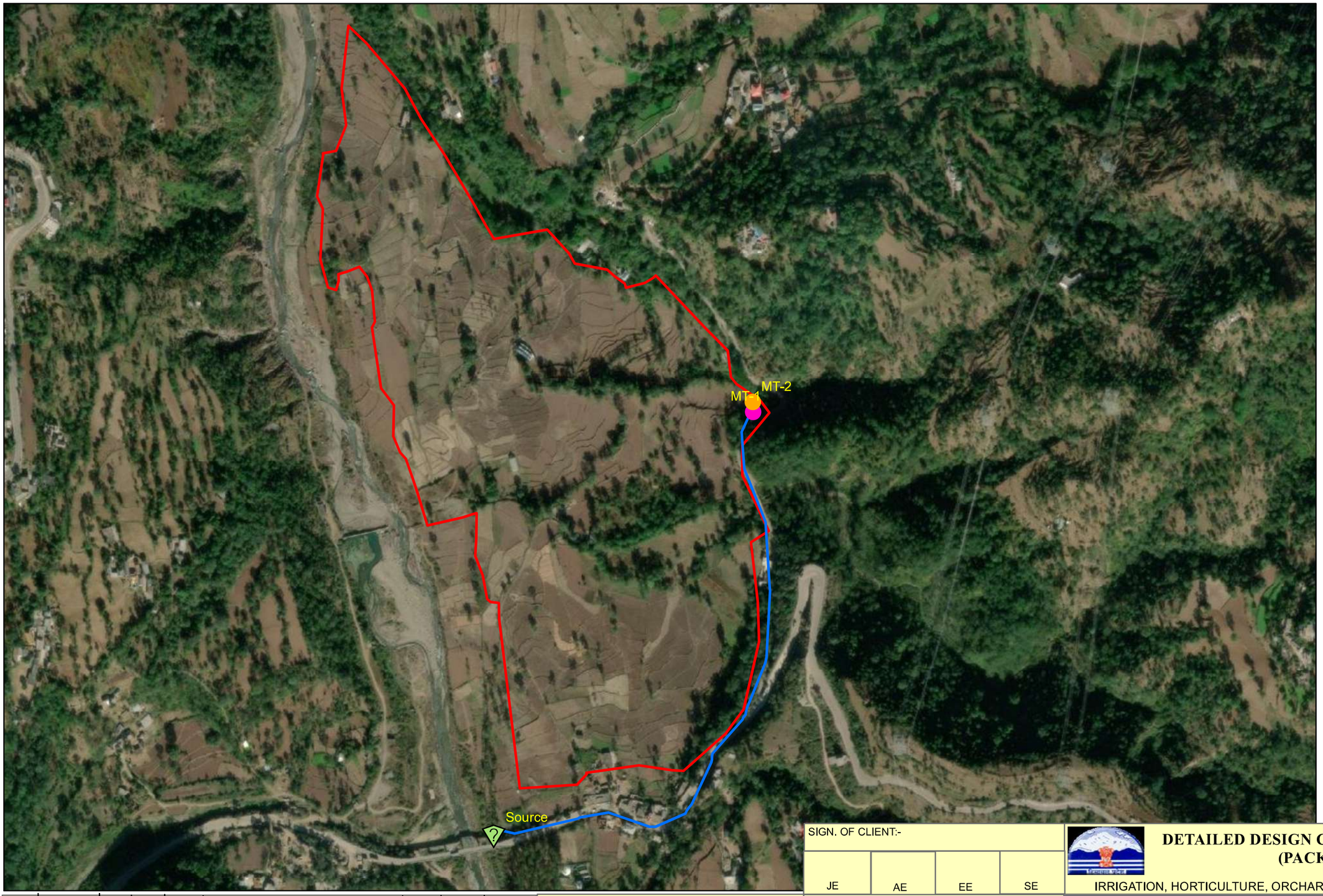


N
W E
S

## Legend

- Source
- MT-1
- MT-2
- Rising Main
- KAROT

SIGN. OF CLIENT:-

| JE | AE | EE | SE |
|---|---|---|---|
| | | | |

**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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| | SIGN. | | | | | | | | | |
| | INITIALS | | | | | | | | | |
| | REVISIONS | | | | | | | | | |
| P0 | SIGN. | | | | | | | | | |
| | INITIALS | GKJ | MP | DVB | | | NS | NS | 16-06-2022 | |
| | REVISIONS | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | PE/PM | APPD. | DATE |
| | | | | | CLEARED | | | | | | |

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File Name: 12503A-CV-34117-Rev-P0

TITLE:-

KEY PLAN OF LIS KAROT FOR SADAR-BILASPUR BLOCK, BILASPUR DISTRICT.

**TATA**CONSULTING ENGINEERS LIMITED.
MUMBAI

| SCALE:- 1:5,000 | DWG. No:- | ISSUE:- |
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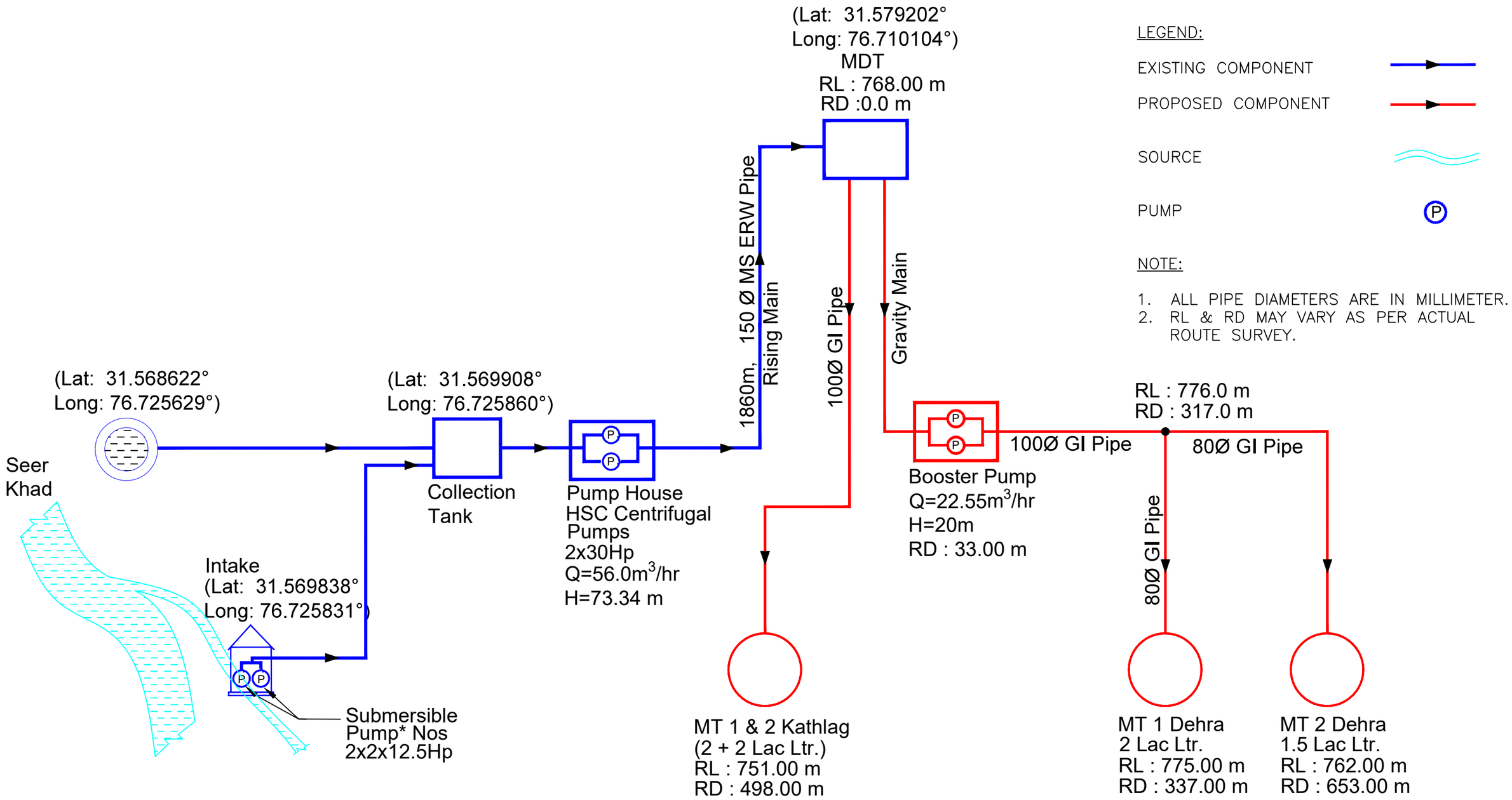
| DL.CEN.:- DEL-CV | TCE.12503A-CV-3005-LM-34117 | P0 |




FLOW DIAGRAM – LIS DEHRA–KOT (FUNCTIONAL SCHEME – 38.47 Ha)

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| | SIGN. | | | | | | | | | | | | | |
| | INITIALS | | | | | | | | | | | | | |
| | REVISIONS | | | | | | | | | | | | | |
| P0 | SIGN. | | | | | | | | | | | | | |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | 20-06-2022 | |
| | REVISIONS | | | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | | PE/PM | APPD | DATE (dd-mm-yyyy) | |
| | | | | | CLEARED | | | | | | | | | |

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SIGN. OF CLIENT:–

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FILE NAME 12503A–CV–34151–Rev–P0

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR LIS DEHRA–KOT

GHUMARWIN BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

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| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34151 | | ISSUE P0 |
| DC & DISC: DEL–CV | | | |

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1

LEGEND:

EXISTING COMPONENT

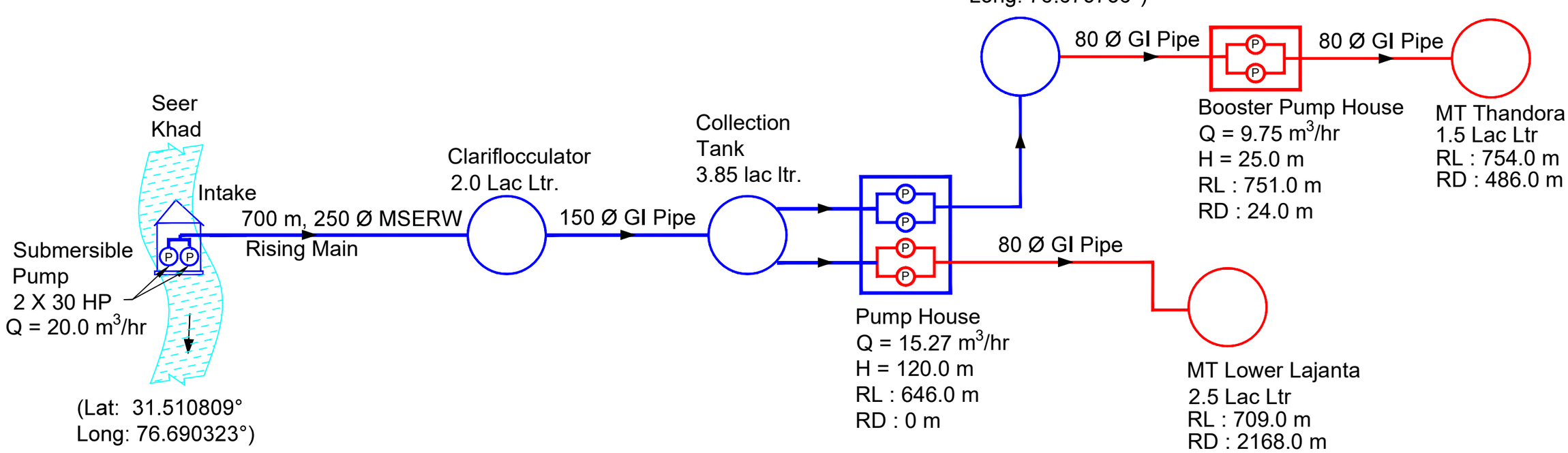
PROPOSED COMPONENT

SOURCE

PUMP

NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.




FLOW DIAGRAM – LIS LAJANTA (FUNCTIONAL SCHEME–19.01 Ha)

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| | SIGN. | | | | | | | | | | | | |
| | INITIALS | | | | | | | | | | | | |
| | REVISIONS | | | | | | | | | | | | |
| P0 | SIGN. | | | | | | | | | | | | |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | 20-06-2022 |
| | REVISIONS | | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | | PE/PM | APPD | DATE (dd-mm-yyyy) |
| | | | | | CLEARED | | | | | | | | |

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FILE NAME 12503A–CV–34152–Rev–P0

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR LIS LAJANTA

GHUMARWIN BLOCK, BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

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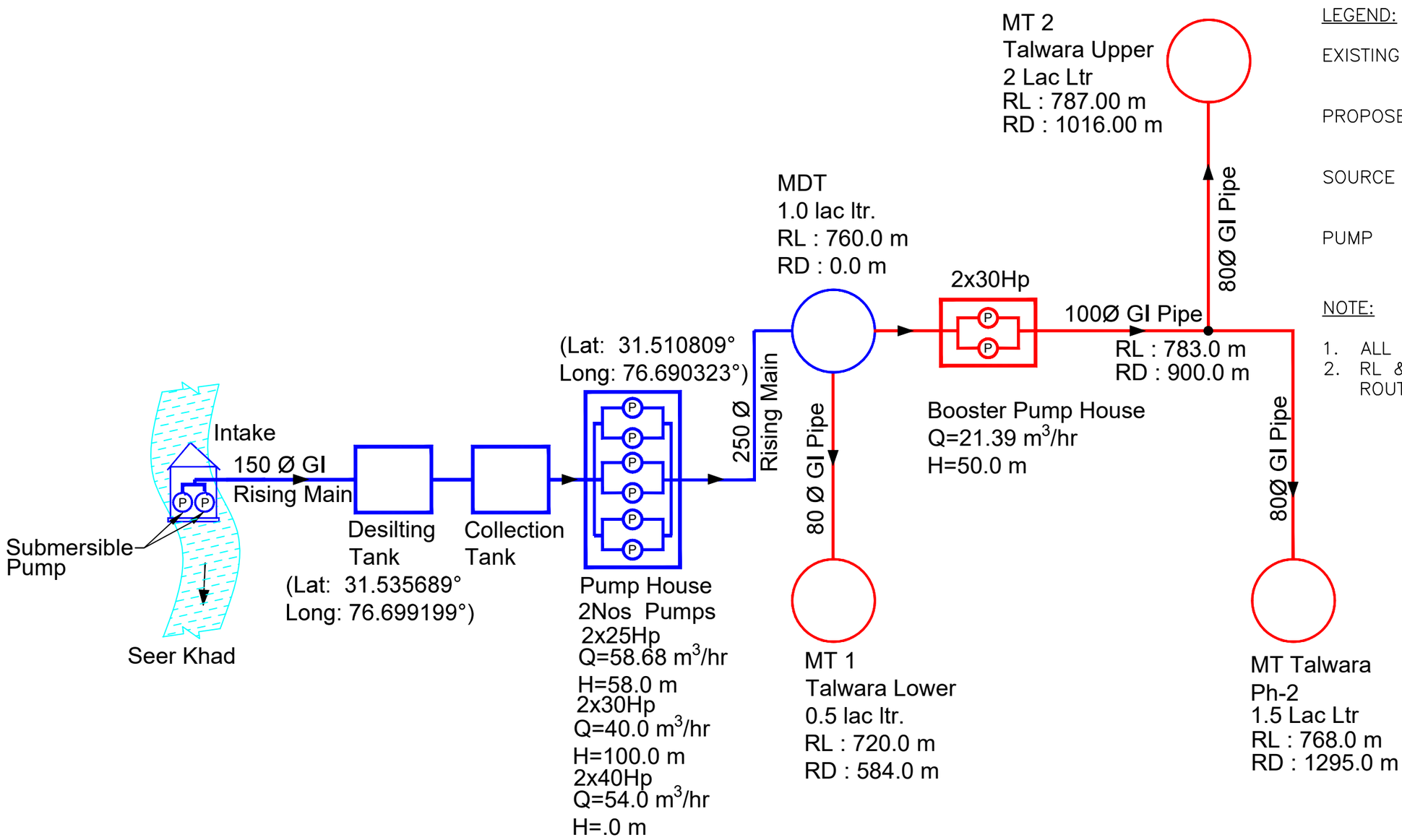
| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34152 | ISSUE P0 | SIZE–A3 |
| DC & DISC: DEL–CV | | | |

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1




LEGEND:

EXISTING COMPONENT

PROPOSED COMPONENT

SOURCE

PUMP

NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM – LIS TALWARA (FUNCTIONAL SCHEME–18.17 Ha)

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| P1 | SIGN. | | | | | | | | | | | | | 02-08-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | | |
| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | | |
| P0 | SIGN. | | | | | | | | | | | | | 20-06-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | | |
| | REVISIONS | | | | | | | | | | | | | |
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FILE NAME 12503A–CV–34153–Rev–P1

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR LIS TALWARA

GHUMARWIN BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34153 | ISSUE P1 |
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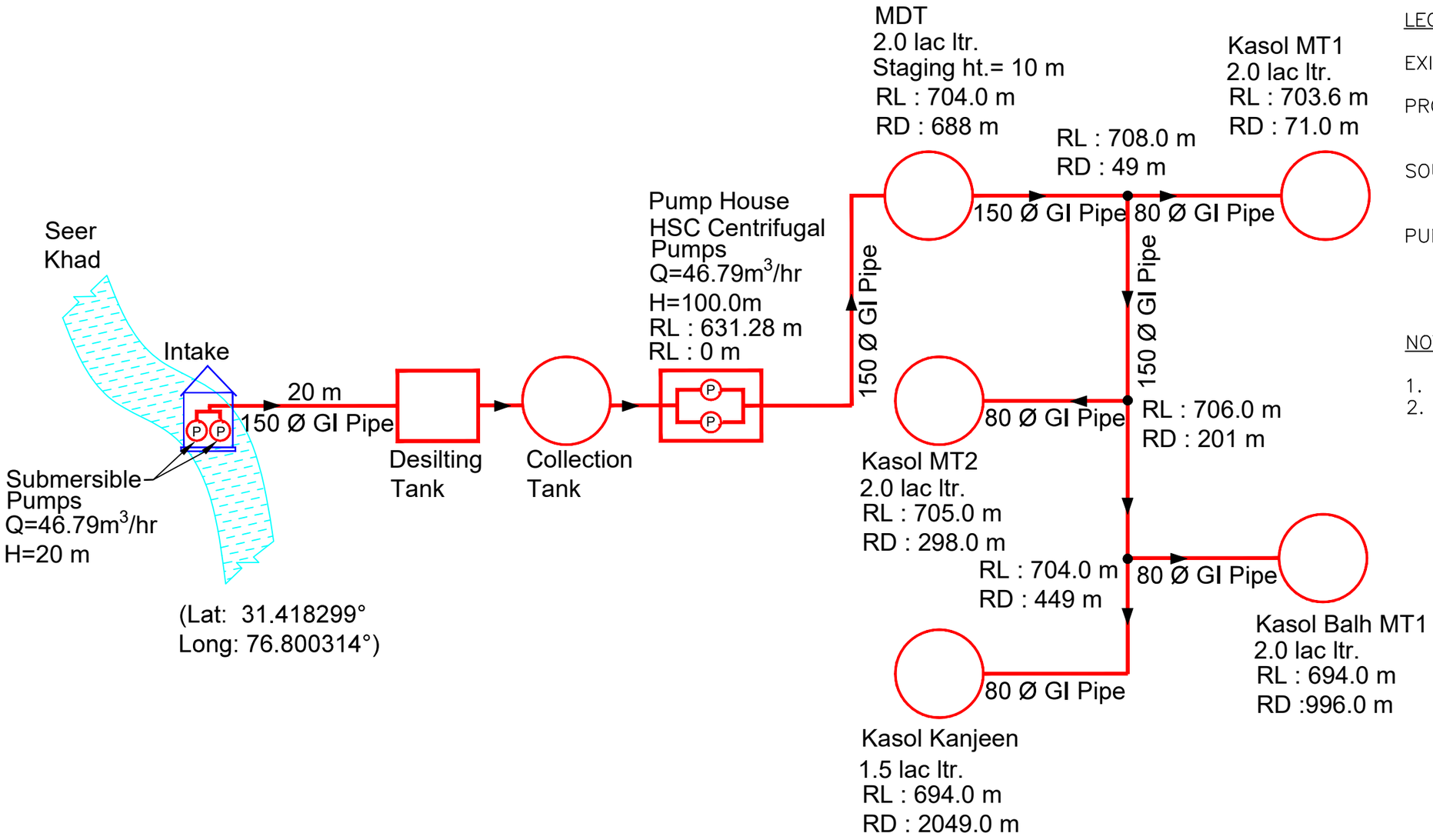
| DC & DISC: DEL–CV | | |

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1




LEGEND:

EXISTING COMPONENT

PROPOSED COMPONENT

SOURCE

PUMP

NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM – PROPOSED LIS KASOL (NON FUNCTIONAL – 35.56 Ha)

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| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
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FILE NAME 12503A–CV–34154–Rev–P1

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR PROPOSED LIS KASOL
GHUMARWIN BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34154 | ISSUE P1 |
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| DC & DISC: DEL–CV | | |

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

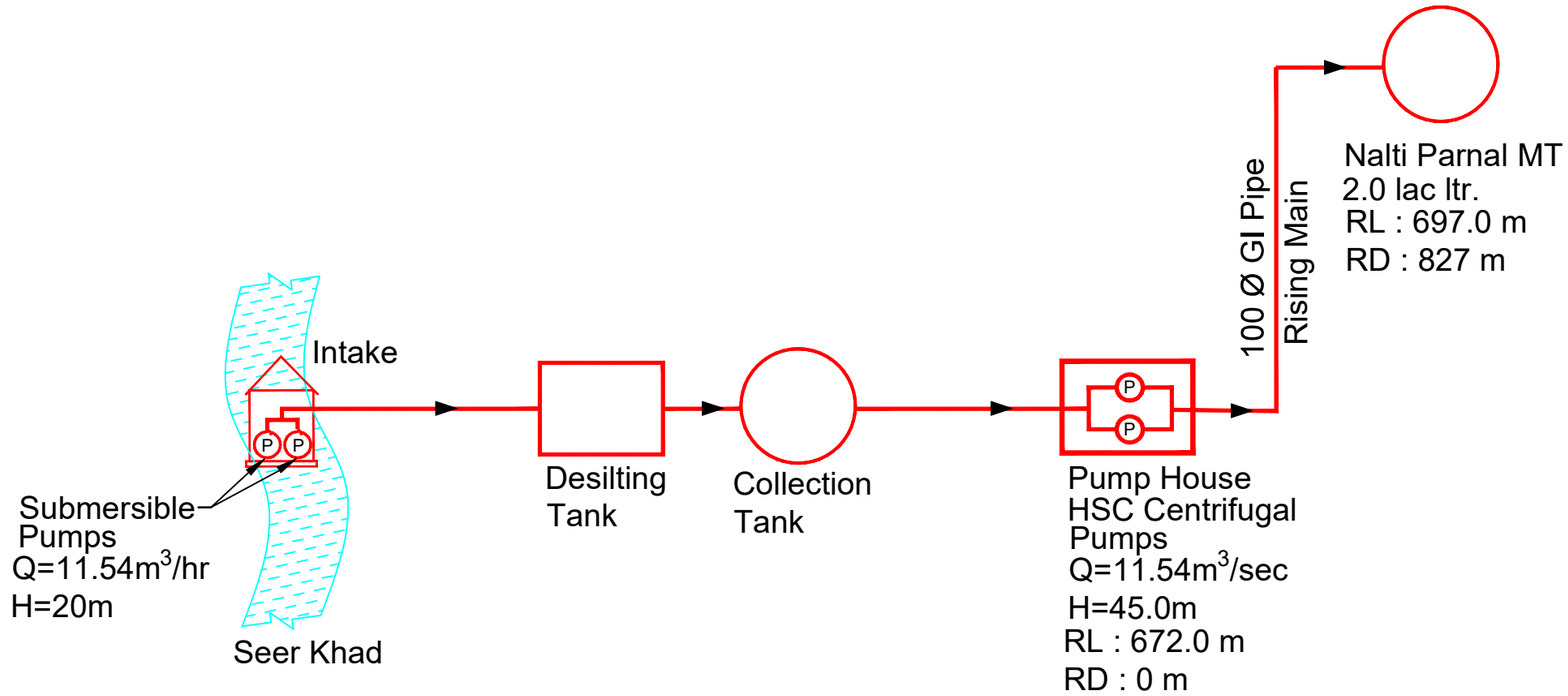
TCE FORM NO. 093 R1

LEGEND:

PROPOSED COMPONENT

SOURCE

PUMP




NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM – PROPOSED LIS NALTI PARNAL (NON FUNCTIONAL SCHEME – 8.77 Ha)

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| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | | |
| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | | |
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| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | | |
| | REVISIONS | | | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | | PE/PM | APPD | DATE (dd-mm-yyyy) | |
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DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR PROPOSED LIS NALTI PARNAL

GHUMARWIN BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34155 | ISSUE P1 |
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| DC & DISC: DEL–CV | | |

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

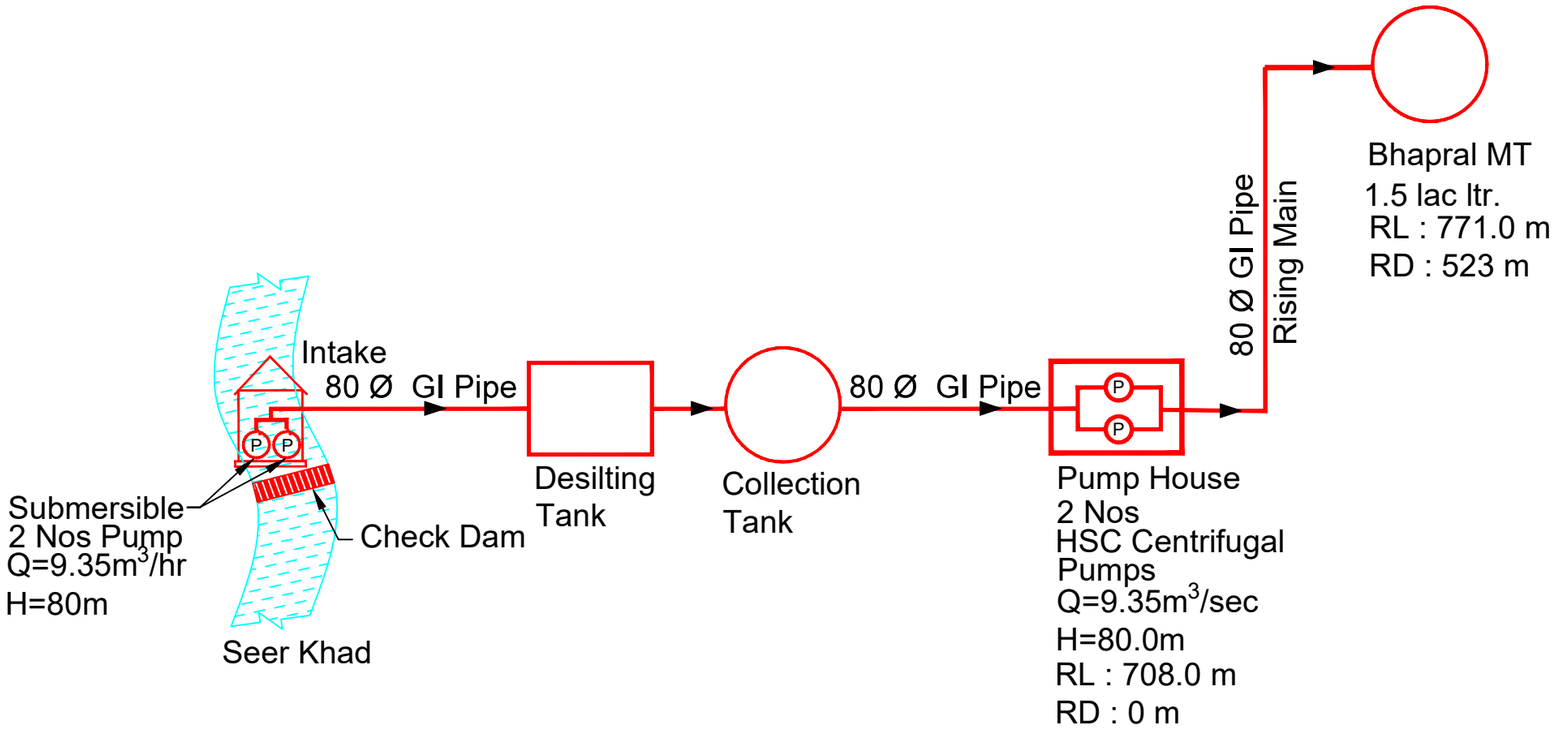
TCE FORM NO. 093 R1

LEGEND:

PROPOSED COMPONENT

SOURCE

PUMP




NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM – PROPOSED LIS BHAPRAL (NON FUNCTIONAL SCHEME – 7.11 Ha)

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| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | |
| P0 | SIGN. | | | | | | | | | | | | 20-06-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | | PE/PM | APPD | DATE (dd-mm-yyyy) |
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SIGN. OF CLIENT:–

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FILE NAME 12503A–CV–34156–Rev–P1

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR PROPOSED LIS BHAPRAL
GHUMARWIN BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

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| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34156 | | ISSUE P1 |
| DC & DISC: DEL–CV | | | |

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

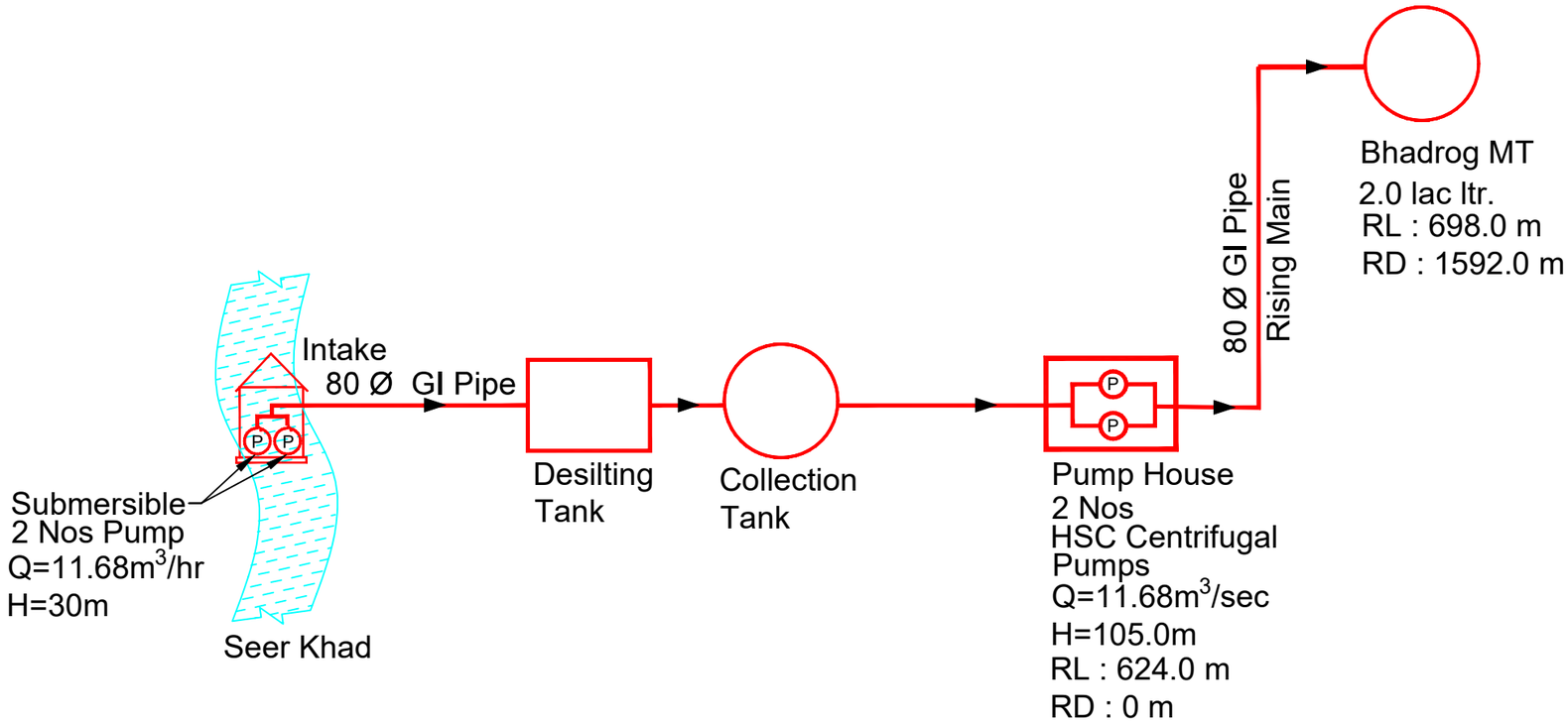
TCE FORM NO. 093 R1

LEGEND:

PROPOSED COMPONENT

SOURCE

PUMP




NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM – PROPOSED LIS BHADROG (FUNCTIONAL SCHEME – 8.88 Ha)

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| P1 | SIGN. | | | | | | | | | | | | 02-08-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | |
| P0 | SIGN. | | | | | | | | | | | | 20-06-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | | | | | | | | | | | | |
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|---|---|---|---|
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FILE NAME 12503A–CV–34157–Rev–P1

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR PROPOSED LIS BHADROG (SEU)

GHUMARWIN BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

SCALE : NTS

DC & DISC: DEL–CV

DWG NO. TCE.12503A–CV–3082–FD–34157

ISSUE P1

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

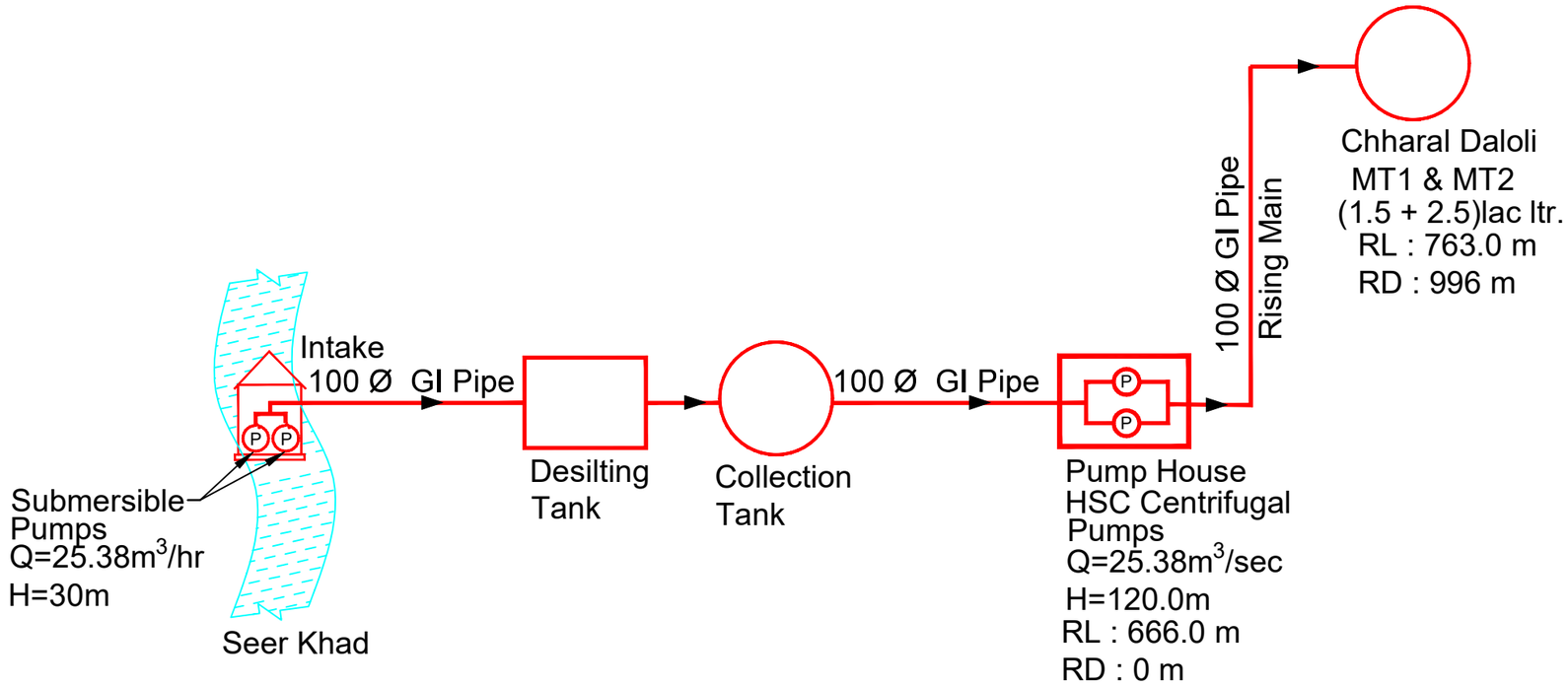
TCE FORM NO. 093 R1

LEGEND:

PROPOSED COMPONENT

SOURCE

PUMP




NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM – PROPOSED LIS CHHARAL DALOLI (NEW SCHEME – 19.29 Ha)

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| P1 | SIGN. | | | | | | | | | | | | 02-08-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | |
| P0 | SIGN. | | | | | | | | | | | | 20-06-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | | PE/PM | APPD | DATE (dd-mm-yyyy) |
| | | | | | CLEARED | | | | | | | | |

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DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR PROPOSED LIS CHHARAL DALOLI
GHUMARWIN BLOCK BILASPUR DISTRICT

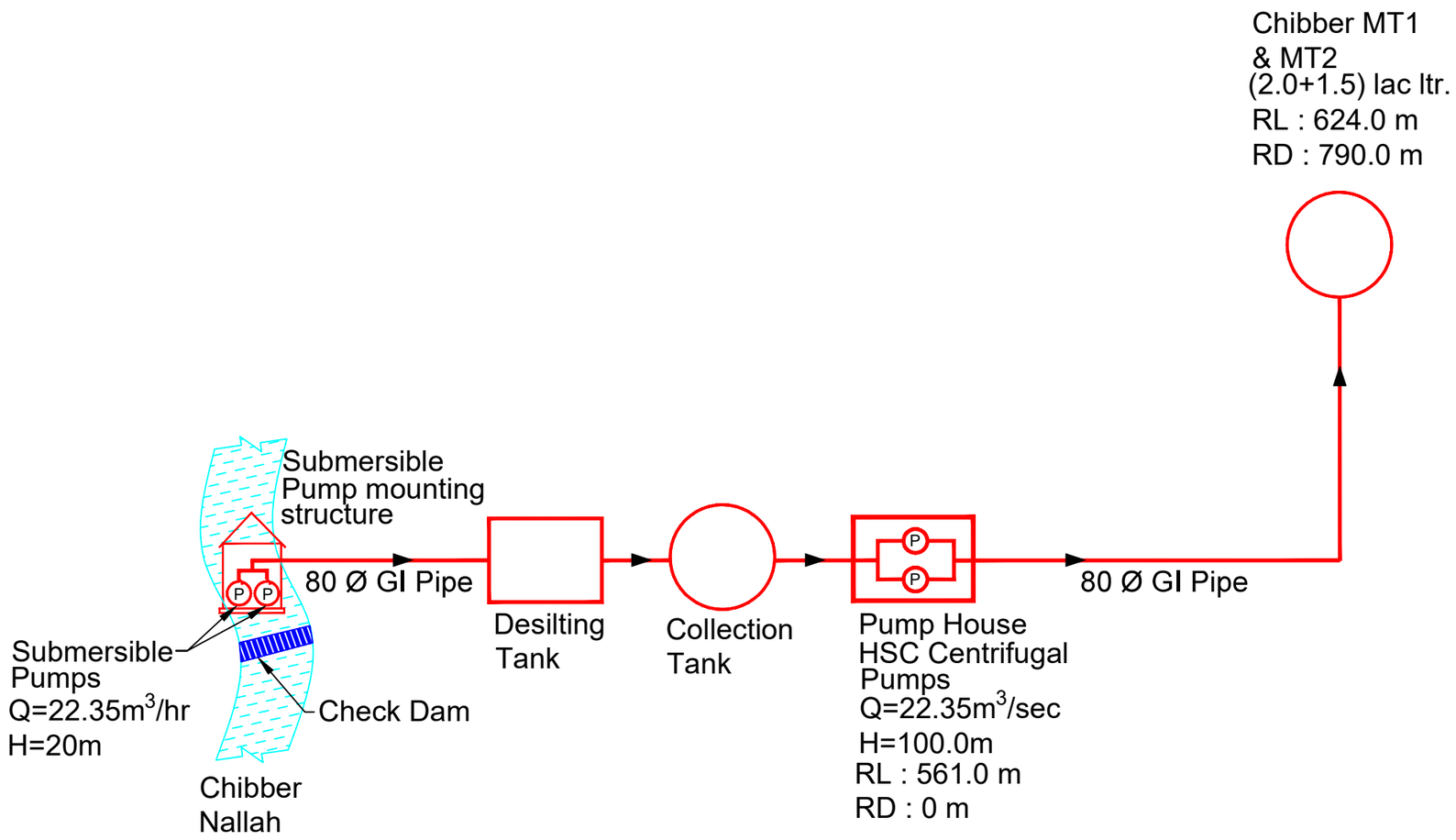
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34158 | ISSUE P1 |
|---|---|---|
| DC & DISC: DEL–CV | | |

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1




LEGEND:

EXISTING COMPONENT

PROPOSED COMPONENT

SOURCE

PUMP

NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM – PROPOSED LIS CHHIBER (NEW SCHEME – 16.99 Ha)

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| P1 | SIGN. | | | | | | | | | | | | 02-08-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | |
| P0 | SIGN. | | | | | | | | | | | | 20-06-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | | PE/PM | APPD | DATE (dd-mm-yyyy) |
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DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR PROPOSED LIS CHIBBER
GHUMARWIN BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34159 | ISSUE P1 |
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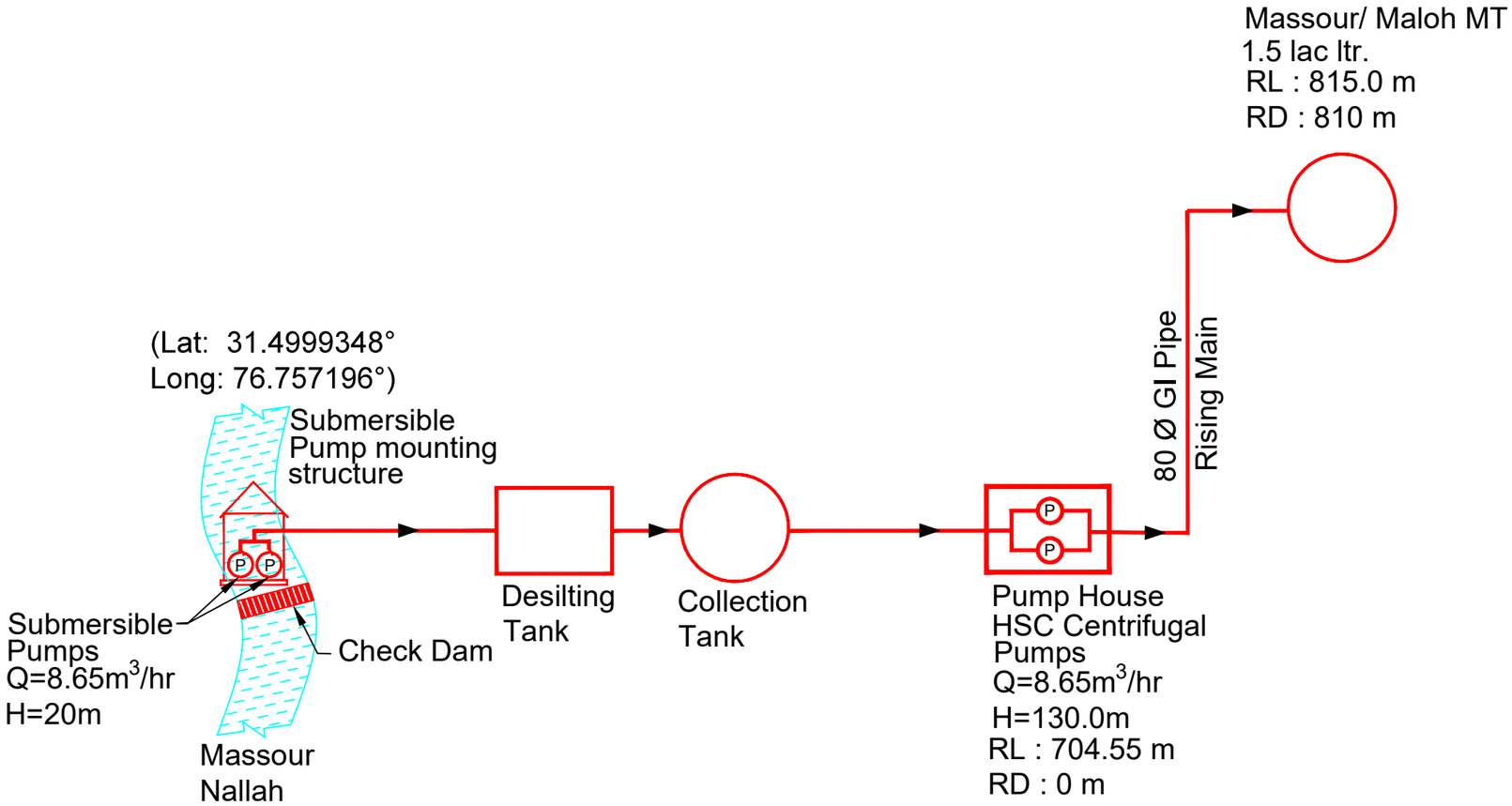
| DC & DISC: DEL–CV | | |

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1




LEGEND:

EXISTING COMPONENT

PROPOSED COMPONENT

SOURCE

PUMP

NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM – PROPOSED LIS MASSOUR/ MALOH (NEW SCHEME – 6.57 Ha)

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| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | |
| P0 | SIGN. | | | | | | | | | | | | 20-06-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | | PE/PM | APPD | DATE (dd-mm-yyyy) |
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FILE NAME 12503A–CV–34160–Rev–P1

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR PROPOSED LIS MASSOUR/ MALLOH
GHUMARWIN BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE : NTS

DC & DISC: DEL–CV

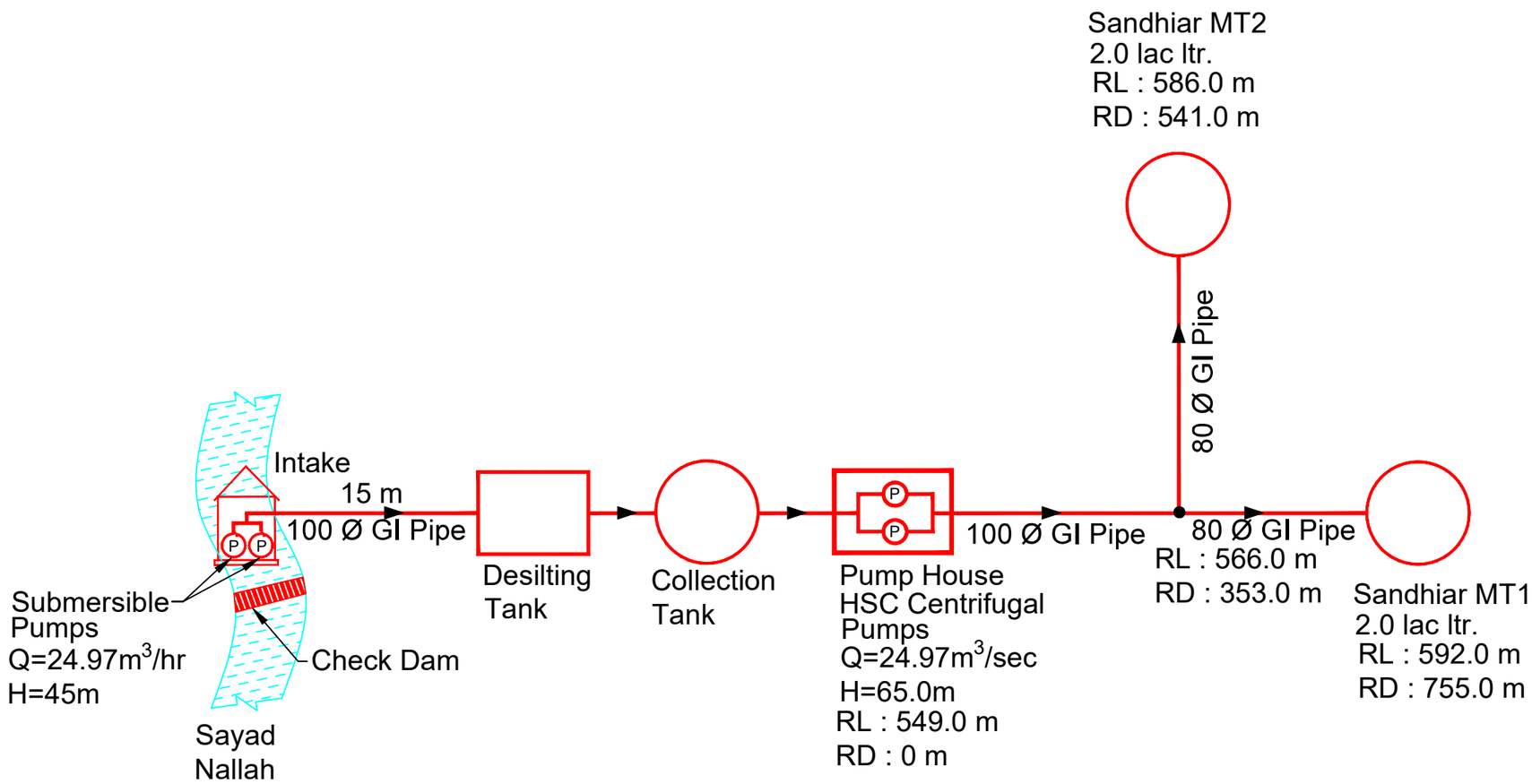
DWG NO. TCE.12503A–CV–3082–FD–34160

ISSUE P1

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1




LEGEND:

PROPOSED COMPONENT

SOURCE

PUMP

NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM – PROPOSED LIS SANDHIAR (NEW SCHEME – 18.97 Ha)

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| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | | |
| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | | |
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| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | | |
| | REVISIONS | | | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | | PE/PM | APPD | DATE (dd-mm-yyyy) | |
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DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR PROPOSED LIS SANDHIAR (CHHAT)

GHUMARWIN BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34161 | ISSUE P1 |
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| DC & DISC: DEL–CV | | |

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1

LEGEND:

EXISTING COMPONENT

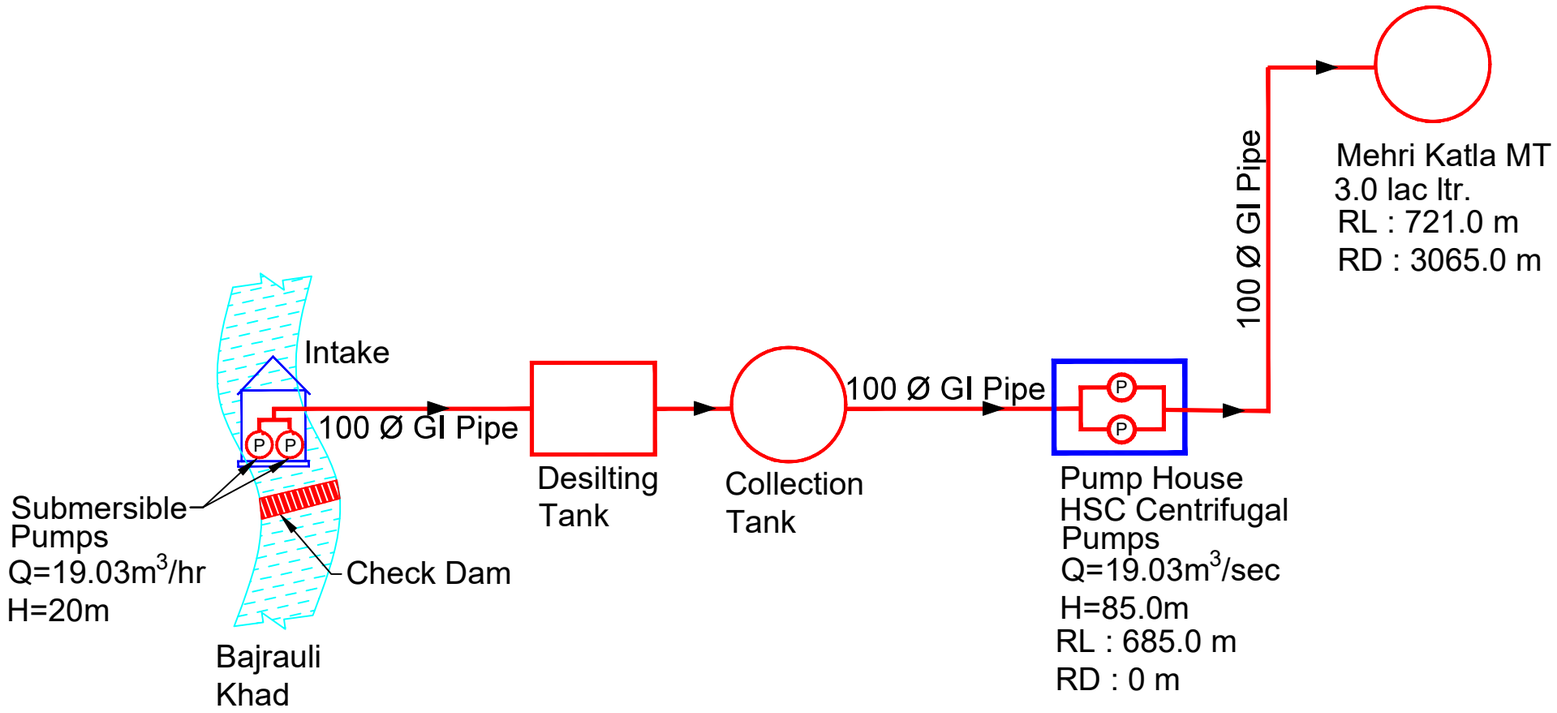
PROPOSED COMPONENT

SOURCE

PUMP

NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.




FLOW DIAGRAM – PROPOSED LIS MEHRI KATLA (NEW SCHEME – 14.46 Ha)

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| P1 | SIGN. | | | | | | | | | | | | | 02-08-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | | |
| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | | |
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| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | | |
| | REVISIONS | | | | | | | | | | | | | |
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FILE NAME 12503A–CV–34162–Rev–P1

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR PROPOSED LIS MEHRI KATLA

GHUMARWIN BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34162 | ISSUE P1 |
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| DC & DISC: DEL–CV | | |

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1

LEGEND:

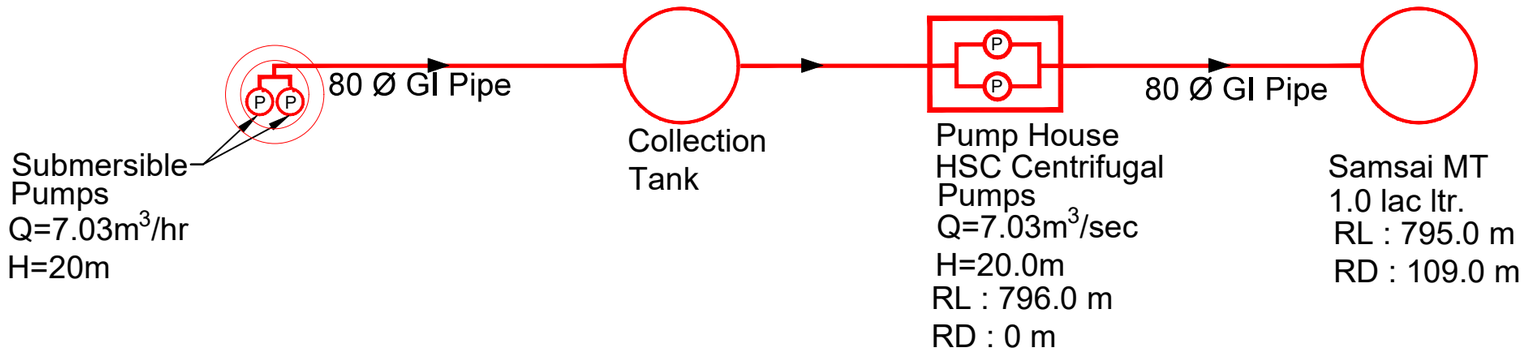
PROPOSED COMPONENT

BOREWELL

PUMP

NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.




FLOW DIAGRAM – PROPOSED LIS SAMSAI (NEW SCHEME – 5.34 Ha)

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| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | | | | | | | | | | | | |
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FILE NAME 12503A–CV–34163–Rev–P1

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR PROPOSED LIS SAMSAI
GHUMARWIN BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

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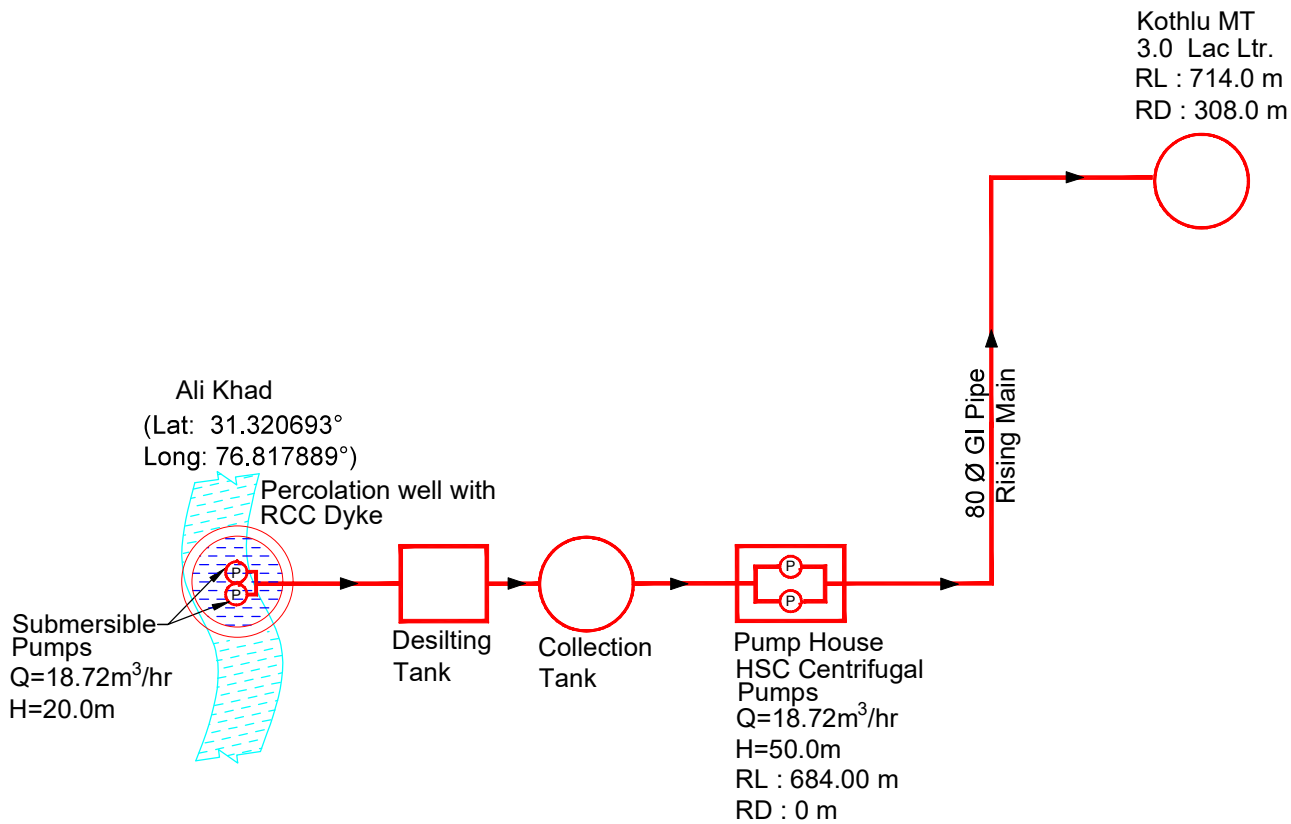
| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34163 | ISSUE P1 |
| DC & DISC: DEL–CV | | |

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1




LEGEND:

PROPOSED COMPONENT

PERCOLATION WELL

PUMP

NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.
3. THIS SCHEME IS LISTED UNDER FUNCTIONAL SCHEME BUT AS PER SITE CONDITION ALL NEW COMPONENTS HAVE BEEN PROPOSED.

FLOW DIAGRAM – PROPOSED LIS KOTHLU (FUNCTIONAL SCHEME – 14.23 Ha)

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| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | | |
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| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | | |
| | REVISIONS | | | | | | | | | | | | | |
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|---|---|---|---|
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FILE NAME 12503A–CV–34164–Rev–P1

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED FLOW DIAGRAM FOR LIS KOTHLU

SADAR BILASPUR BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

SCALE : NTS

DC & DISC: DEL–CV

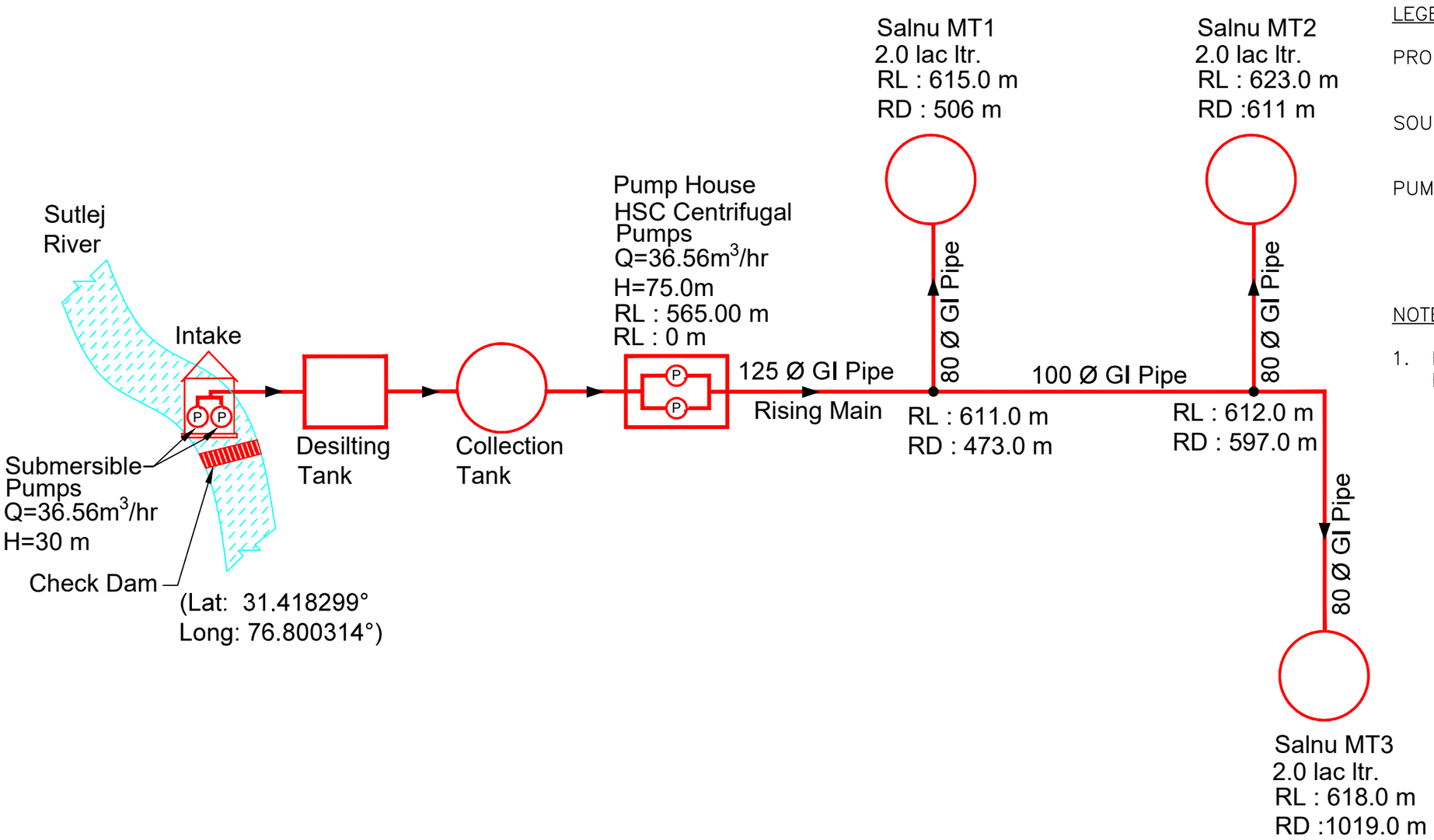
DWG NO. TCE.12503A–CV–3082–FD–34164

ISSUE P1

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1




LEGEND:

PROPOSED COMPONENT

SOURCE

PUMP

NOTE:

1. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM – PROPOSED LIS SALNU (NEW SCHEME – 27.79 Ha)

| | | | | | | | | | | | | | | |
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| P1 | SIGN. | | | | | | | | | | | | | 02-08-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | | |
| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | | |
| P0 | SIGN. | | | | | | | | | | | | | 20-06-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | | |
| | REVISIONS | | | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | | PE/PM | APPD | DATE (dd-mm-yyyy) | |
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FILE NAME 12503A-CV-34165-Rev-P1

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED FLOW DIAGRAM FOR LIS SALNU

SADAR BILASPUR BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED

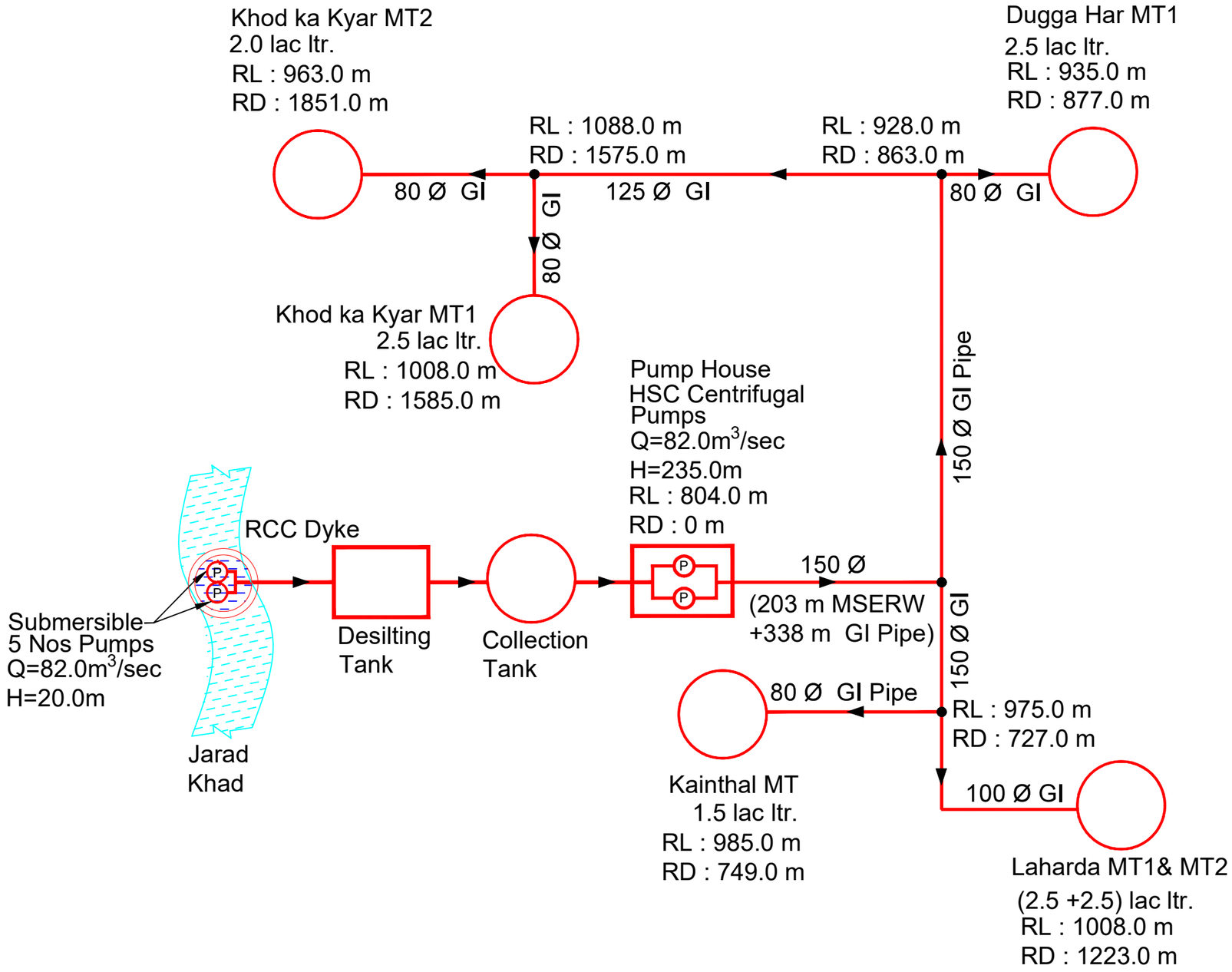
MUMBAI

| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34165 | ISSUE P1 |
|---|---|---|
| DC & DISC: DEL–CV | | |

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1




LEGEND:

PROPOSED COMPONENT

PERCOLATION WELL

PUMP

NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM – PROPOSED LIS PERCOLATION WELL (FUNCTIONAL SCHEME – 62.32 Ha)

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | SIGN. | | | | | | | | | | | | 02-08-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | |
| P0 | SIGN. | | | | | | | | | | | | 20-06-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | | PE/PM | APPD | DATE (dd-mm-yyyy) |
| | | | | | CLEARED | | | | | | | | |

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FILE NAME 12503A–CV–34166–Rev–P1

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

FLOW DIAGRAM FOR PROPOSED LIS PERCOLATION WELL
GHUMARWIN BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

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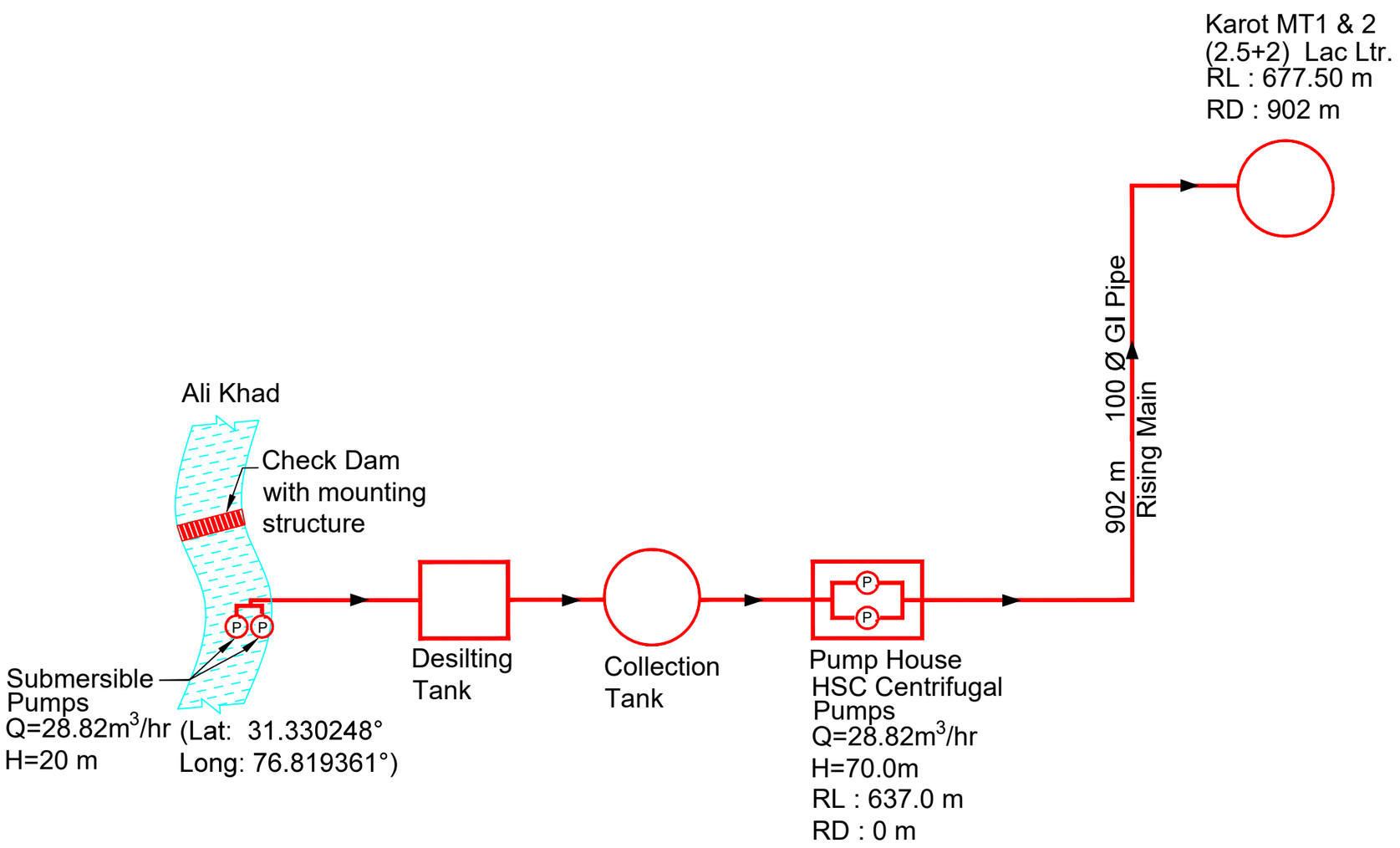
| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34166 | | ISSUE P1 |
| DC & DISC: DEL–CV | | | |

SIZE–A3

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1




LEGEND:

PROPOSED COMPONENT

SOURCE

PUMP

NOTE:

1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM – PROPOSED LIS KAROT (NEW SCHEME – 21.92 Ha)

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| P1 | SIGN. | | | | | | | | | | | | 02-08-2022 |
| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | AS PER CLIENT COMMENTS | | | | | | | | | | | |
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| | INITIALS | SM | ES | DVB | | | | | | | MK | DK | |
| | REVISIONS | | | | | | | | | | | | |
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FILE NAME 12503A–CV–34167–Rev–P1

DETAILED DESIGN CONSULTANCY, HP–SHIVA (PACKAGE CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED FLOW DIAGRAM FOR LIS KAROT
SADAR BILASPUR BLOCK BILASPUR DISTRICT

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

| | | | |
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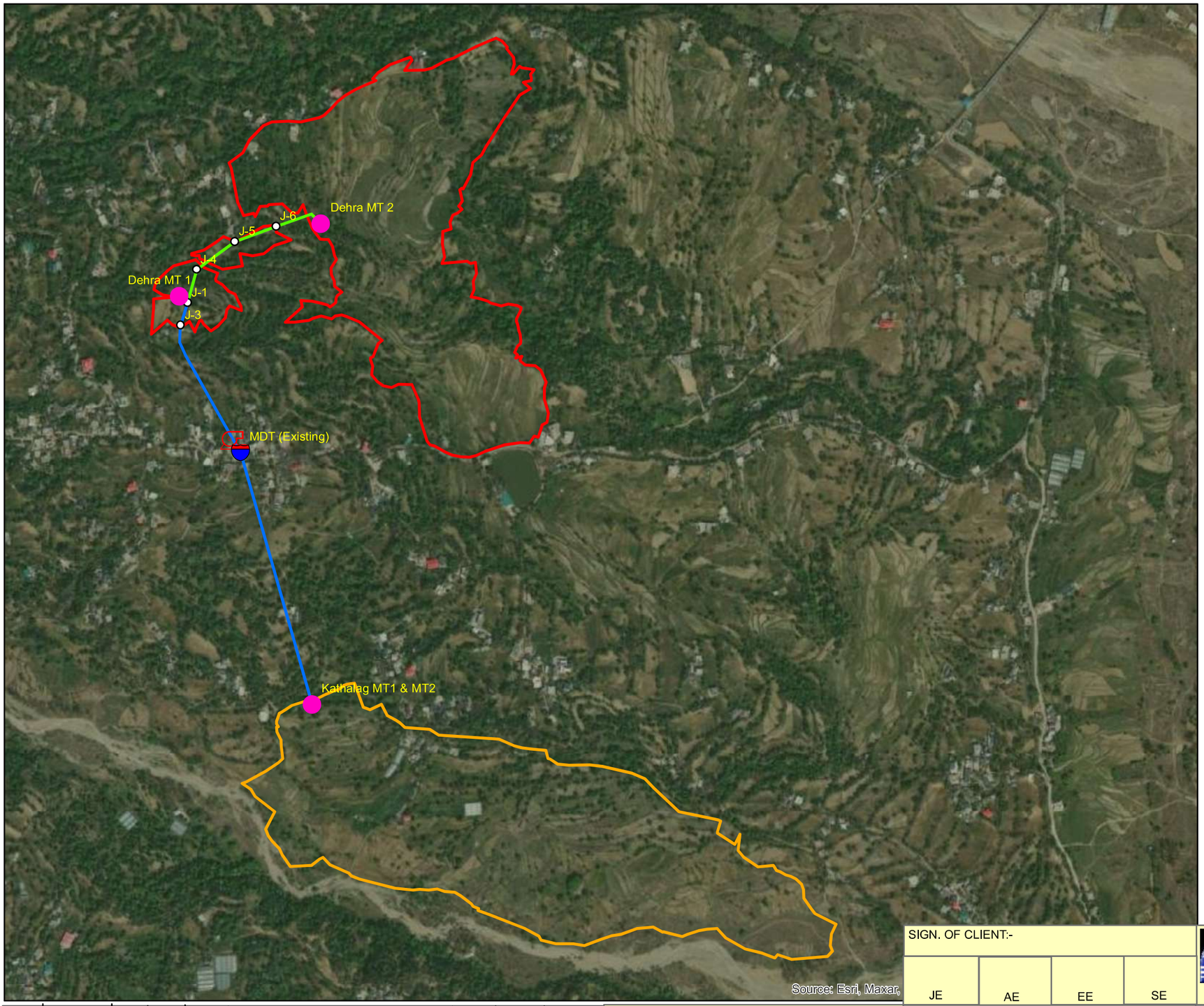
| SCALE : NTS | DWG NO. TCE.12503A–CV–3082–FD–34167 | ISSUE P1 | SIZE–A3 |
| DC & DISC: DEL–CV | | | |

FILE NAME: F–093–Rev–R1.DWG

TCE FORM NO. 093 R1



## Legend

- Reservoir
- Pump
- MT
- Junction
- Rising Main 100mm Dia GI Pipe
- Rising Main 80mm Dia GI Pipe
- KATHALAG_DROUN
- DEHRA

SIGN. OF CLIENT:-

| JE | AE | EE | SE |
|---|---|---|---|
| | | | |

**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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| | INITIALS | GKJ | ES | DVB | | | MK | DK | 15-06-2022 | |
| | REVISIONS | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | PE/PM | APPD. | DATE |
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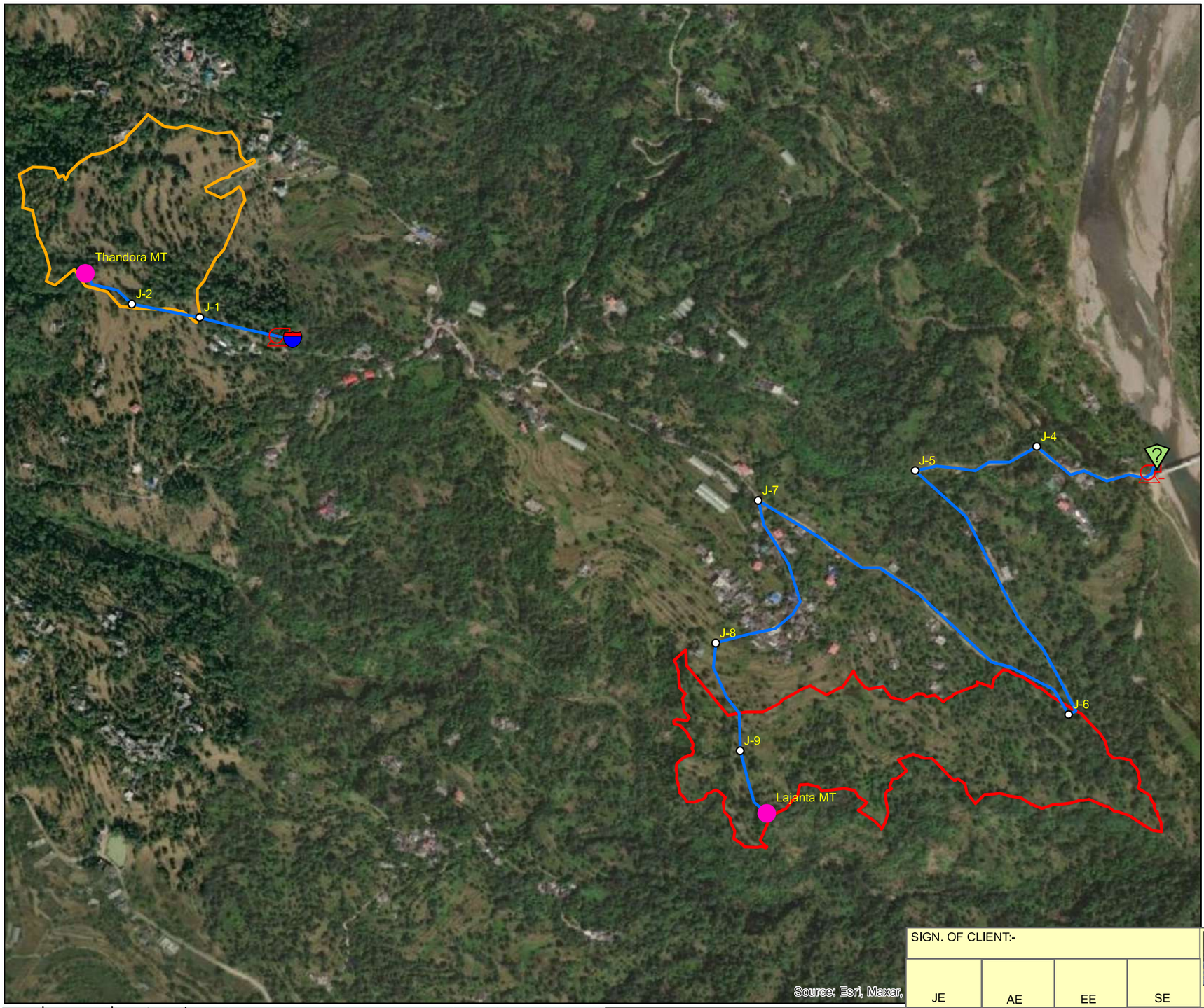
File Name: 12503A-CV-34201-Rev-P0

TITLE:- NETWORK DRAWING OF LIS DEHRA KOT (DEHRA & KATHALAG DROUN) FOR GHUMARWIN BLOCK, BILASPUR DISTRICT.

**TATA**CONSULTING ENGINEERS LIMITED. MUMBAI

| SCALE:- 1:8,000 | DWG. No:- | ISSUE:- |
|---|---|---|
| DL.CEN.:- DEL-CV | TCE.12503A-CV-3082-WS-34201 | P0 |




N
W E
S

## Legend

- Source
- MDT Thandora existing
- Pump
- MT
- Junction
- Pipe
- THANDORA
- LOWER_LANJHTA

SIGN. OF CLIENT:-

| JE | AE | EE | SE |
|---|---|---|---|
| | | | |

**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

| | | | | | | | | | | | | |
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| | SIGN. | | | | | | | | | | | |
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| | INITIALS | GKJ | ES | DVB | | | | | | MK | DK | 15-06-2022 |
| | REVISIONS | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | PE/PM | APPD. | DATE |
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File Name: 12503A-CV-34202-Rev-P0

TITLE:- NETWORK DRAWING OF LIS LAJANTA (LOWER LANJHTA & THANDORA) FOR GHUMARWIN BLOCK, BILASPUR DISTRICT.

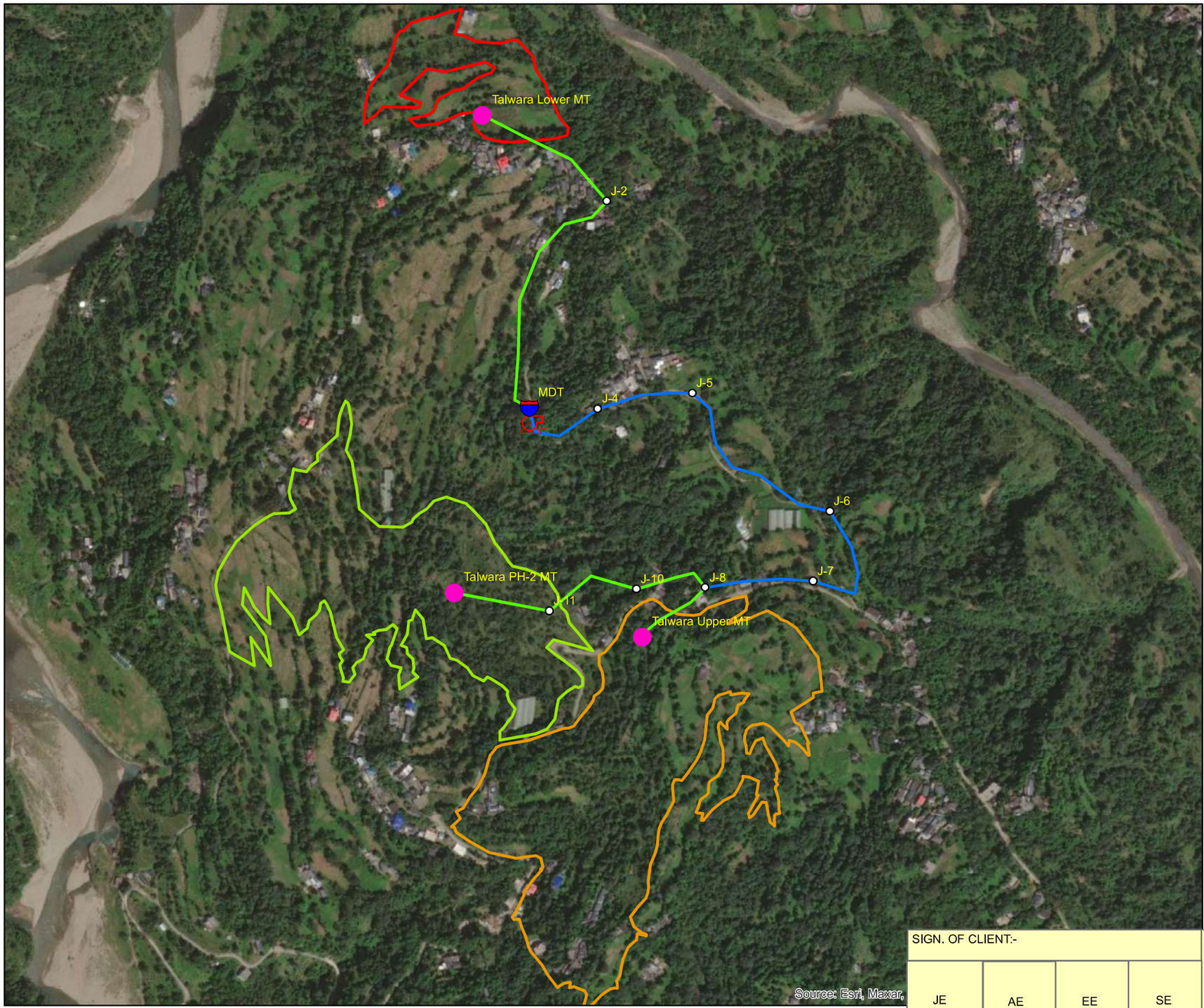
**TATA**CONSULTING ENGINEERS LIMITED. MUMBAI

SCALE:- 1:8,000

DL.CEN.:- DEL-CV

DWG. No:- TCE.12503A-CV-3082-WS-34202

ISSUE:- P0




N
W E
S

## Legend

- Reservoir
- Pump
- MT
- Junction
- Rising Main 80mm Dia GI Pipe
- Rising Main 100mm Dia GI Pipe
- LOWER_TALWARA
- UPPER_TALWARA
- TALWAR_Phase_2

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| | INITIALS | GKJ | ES | DVB | | | MK | DK | | 15-06-2022 |
| | REVISIONS | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | PE/PM | APPD. | DATE |
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SIGN. OF CLIENT:-

| JE | AE | EE | SE |
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File Name: 12503A-CV-34203-Rev-P0

**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

TITLE:- NETWORK DRAWING OF LIS TALWARA (LOWER TALWARA, UPPER TALWARA, TALWARA Ph-2) FOR GHUMARWIN BLOCK, BILASPUR DISTRICT.

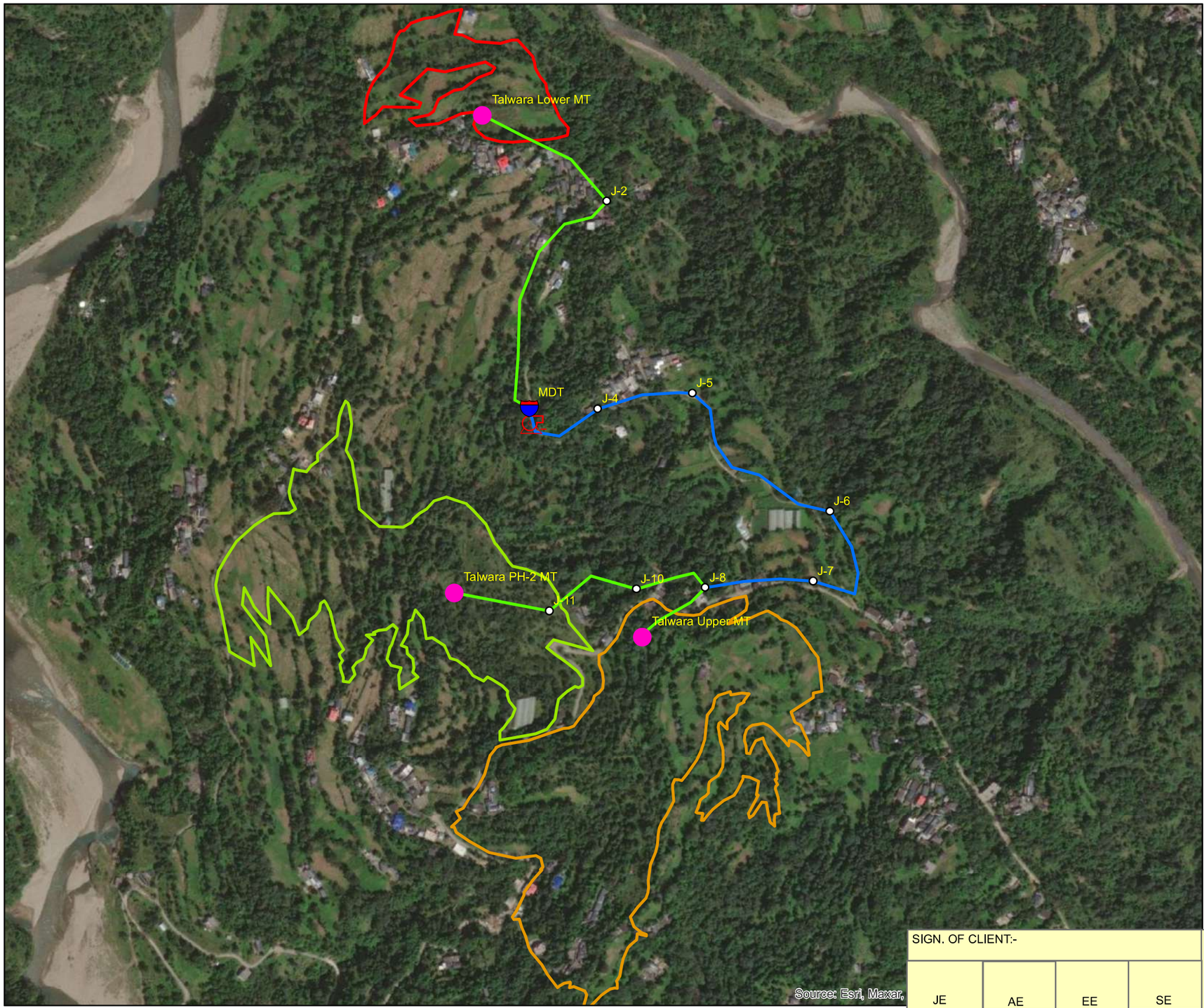
**TATA**CONSULTING ENGINEERS LIMITED.
MUMBAI

SCALE:- 1:6,000

DL.CEN.:- DEL-CV

DWG. No:- TCE.12503A-CV-3082-WS-34203

ISSUE:- P0




N
W E
S

## Legend

- Reservoir
- Pump
- MT
- Junction
- Rising Main 80mm Dia GI Pipe
- Rising Main 100mm Dia GI Pipe
- LOWER_TALWARA
- UPPER_TALWARA
- TALWAR_Phase_2

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| | INITIALS | | | | | | | | | |
| | REVISIONS | | | | | | | | | |
| P0 | SIGN. | | | | | | | | | |
| | INITIALS | GKJ | ES | DVB | | | MK | DK | | 15-06-2022 |
| | REVISIONS | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | PE/PM | APPD. | DATE |
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SIGN. OF CLIENT:-

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File Name: 12503A-CV-34204-Rev-P0

**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

TITLE:- NETWORK DRAWING OF LIS TALWARA (LOWER TALWARA, UPPER TALWARA, TALWARA Ph-2) FOR GHUMARWIN BLOCK, BILASPUR DISTRICT.

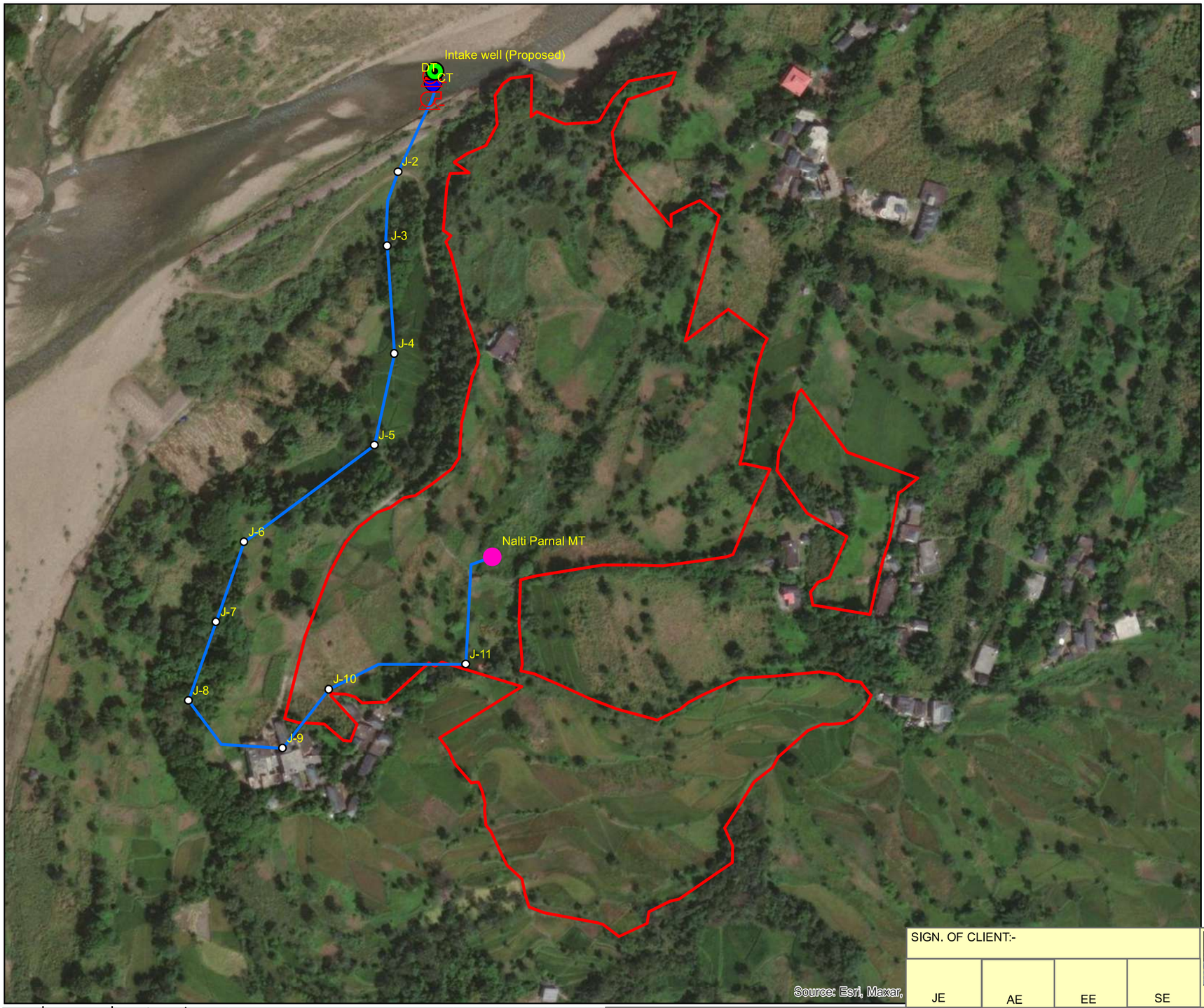
**TATA**CONSULTING ENGINEERS LIMITED.
MUMBAI

SCALE:- 1:6,000

DL.CEN.:- DEL-CV

DWG. No:- TCE.12503A-CV-3082-WS-34204

ISSUE:- P0



## Legend

- Intake well (Proposed)
- Pump
- MDT
- MT
- Junction
- Pipe
- NALTI_PARNAR

SIGN. OF CLIENT:-

| JE | AE | EE | SE |
|---|---|---|---|
| | | | |

**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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| P0 | SIGN. | | | | | | | | | | |
| | INITIALS | GKJ | ES | DVB | | | | | MK | DK | 15-06-2022 |
| | REVISIONS | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | PE/PM | APPD. | DATE |
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File Name: 12503A-CV-34205-Rev-P0

TITLE:- NETWORK DRAWING OF LIS NALTI PARNAL FOR GHUMARWIN BLOCK, BILASPUR DISTRICT.

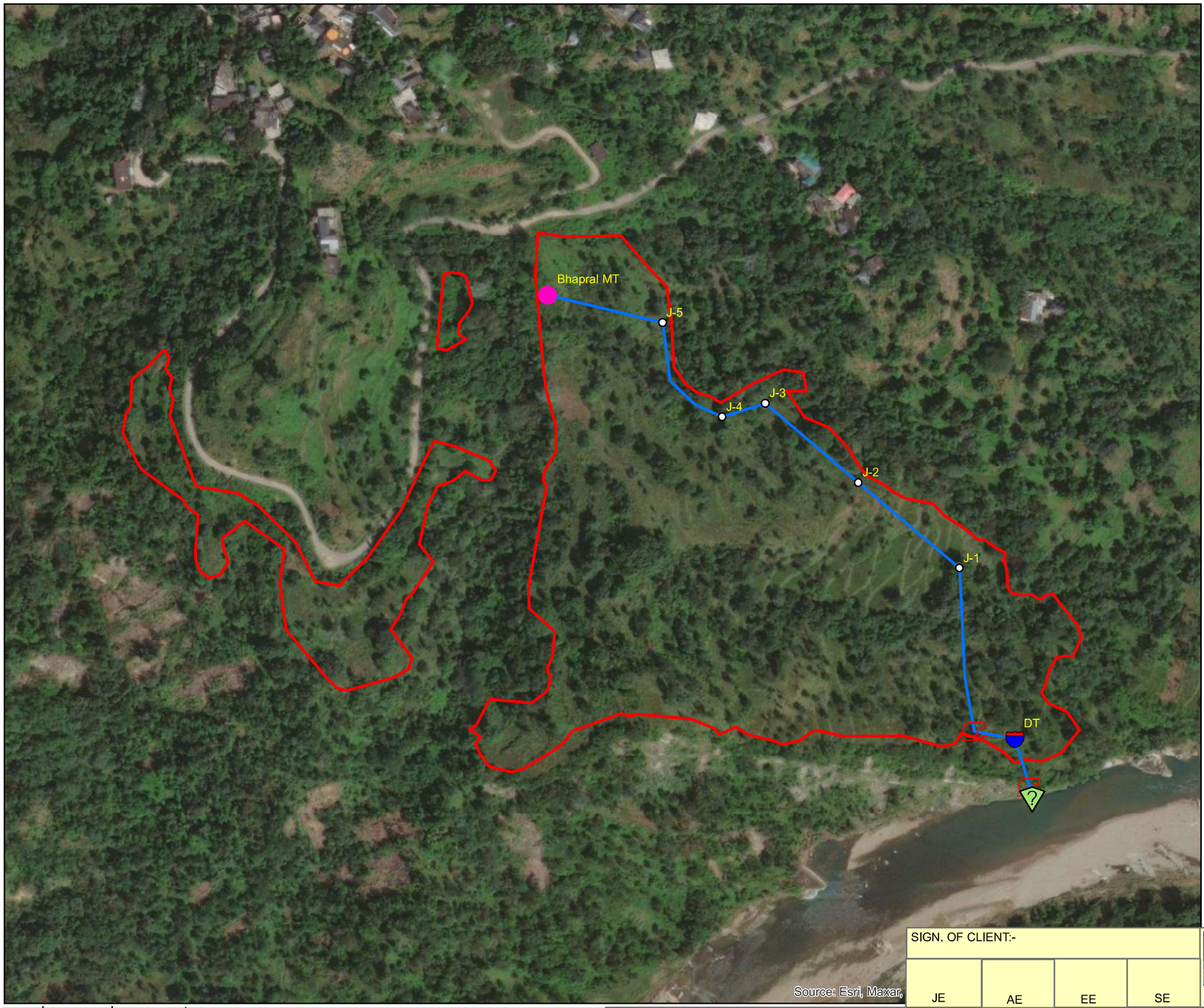
**TATA**CONSULTING ENGINEERS LIMITED.
MUMBAI

SCALE:- 1:3,000

DL.CEN.:- DEL-CV

DWG. No:- TCE.12503A-CV-3082-WS-34205

ISSUE:- P0




N
W E
S

## Legend

- Intake
- Pump
- MDT
- MT
- Junction
- Rising Main 80mm Dia GI Pipe
- BHAPRAL

SIGN. OF CLIENT:-

| JE | AE | EE | SE |
|---|---|---|---|
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**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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| | SIGN. | | | | | | | | | |
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| P0 | SIGN. | | | | | | | | | |
| | INITIALS | GKJ | ES | DVB | | | MK | DK | | 15-06-2022 |
| | REVISIONS | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | PE/PM | APPD. | DATE |
| | | | | | CLEARED | | | | | | |

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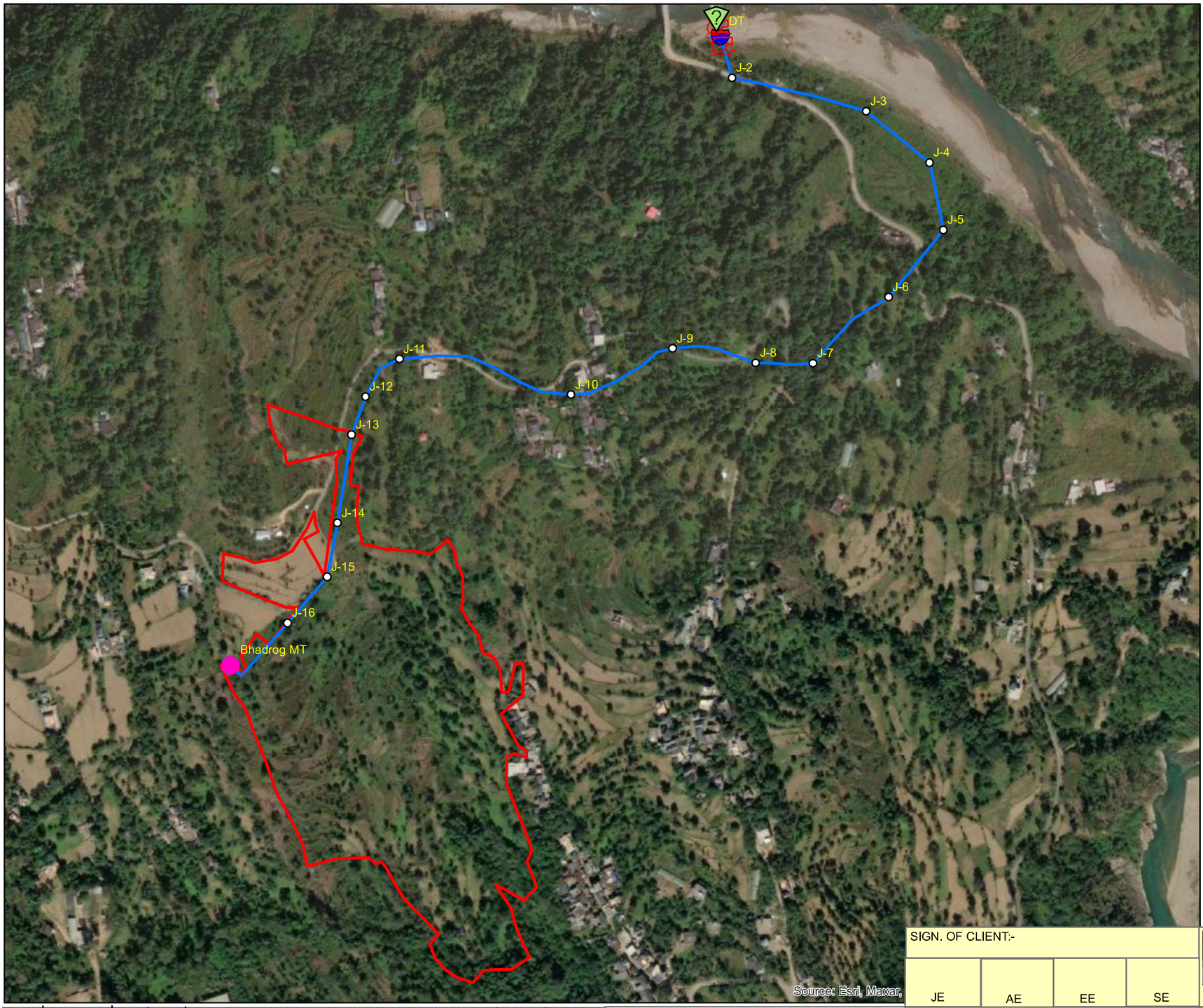
File Name: 12503A-CV-34206-Rev-P0

TITLE:-

NETWORK DRAWING OF LIS BHAPRAL FOR GHUMARWIN BLOCK, BILASPUR DISTRICT.

**TATA**CONSULTING ENGINEERS LIMITED.
MUMBAI

| SCALE:- 1:3,000 | DWG. No:- | ISSUE:- |
|---|---|---|
| DL.CEN.:- DEL-CV | TCE.12503A-CV-3082-WS-34206 | P0 |



## Legend

- Intake
- Pump
- Junction
- MDT
- MT
- Rising Main 80mm Dia GI Pipe
- BHADROG

SIGN. OF CLIENT:-

| JE | AE | EE | SE |
|---|---|---|---|
| | | | |

**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

| | | | | | | | | | |
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| | SIGN. | | | | | | | | |
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| P0 | SIGN. | | | | | | | | |
| | INITIALS | GKJ | ES | DVB | | MK | DK | | 15-06-2022 |
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| ISSUE | | DRN | DSN | CHD | CV / EL / IC / ME / CLEARED | PE/PM | APPD. | | DATE |

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File Name: 12503A-CV-34207-Rev-P0

TITLE:-

NETWORK DRAWING OF LIS BHADROG FOR GHUMARWIN BLOCK, BILASPUR DISTRICT.

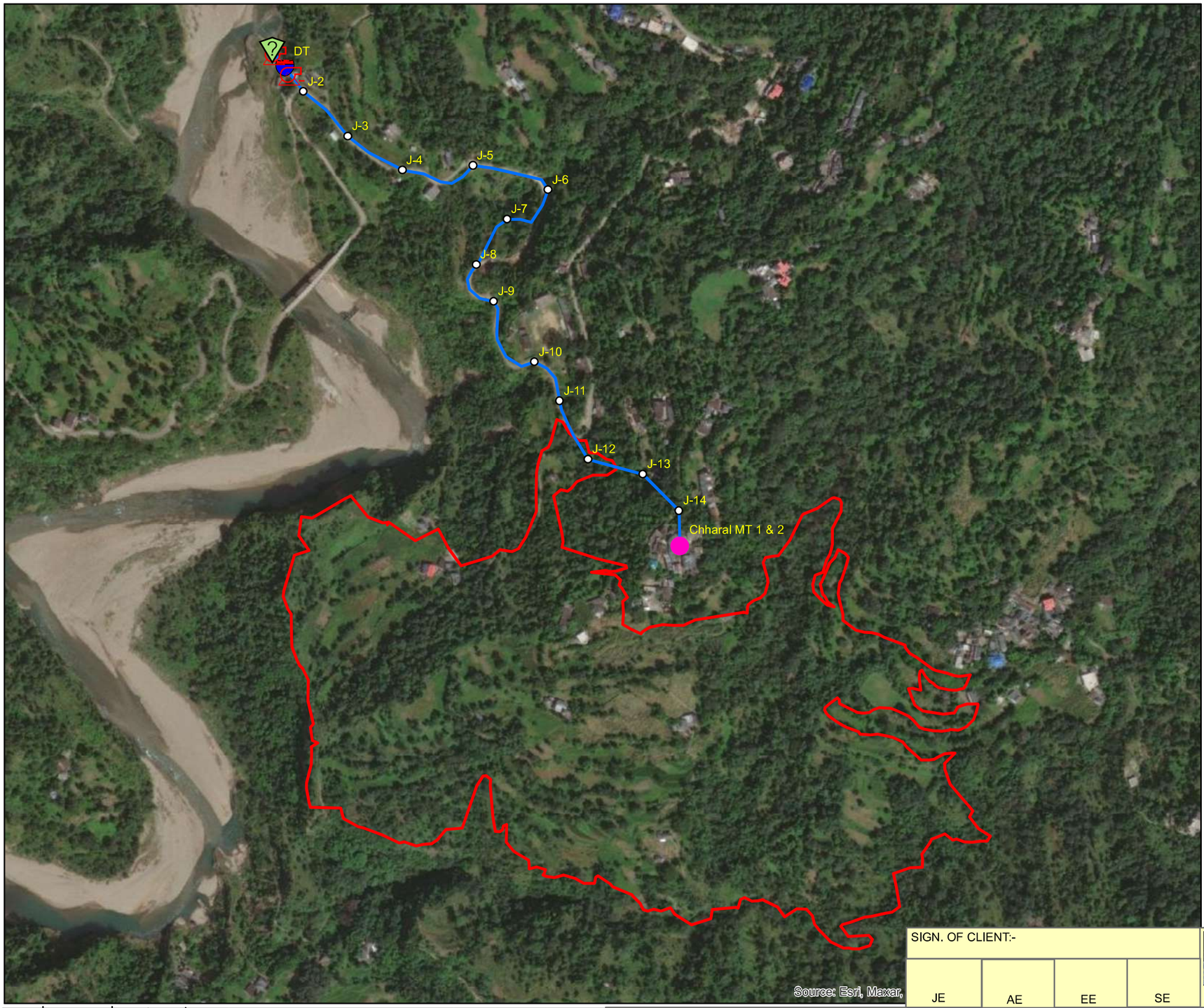
**TATA**CONSULTING ENGINEERS LIMITED.
MUMBAI

SCALE:- 1:5,000

DL.CEN.:- DEL-CV

DWG. No:- TCE.12503A-CV-3082-WS-34207

ISSUE:- P0




N
W E
S

## Legend

- Intake
- Pump
- MDT
- MT
- Junction
- Rising Main 100mm Dia GI Pipe
- CHHARAL

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | SIGN. | | | | | | | | | |
| | INITIALS | | | | | | | | | |
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| | INITIALS | GKJ | ES | DVB | | | MK | DK | 15-06-2022 | |
| | REVISIONS | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | PE/PM | APPD. | DATE |
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SIGN. OF CLIENT:-

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File Name: 12503A-CV-34208-Rev-P0

**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

TITLE:-

NETWORK DRAWING OF LIS CHHARAL FOR GHUMARWIN BLOCK, BILASPUR DISTRICT.

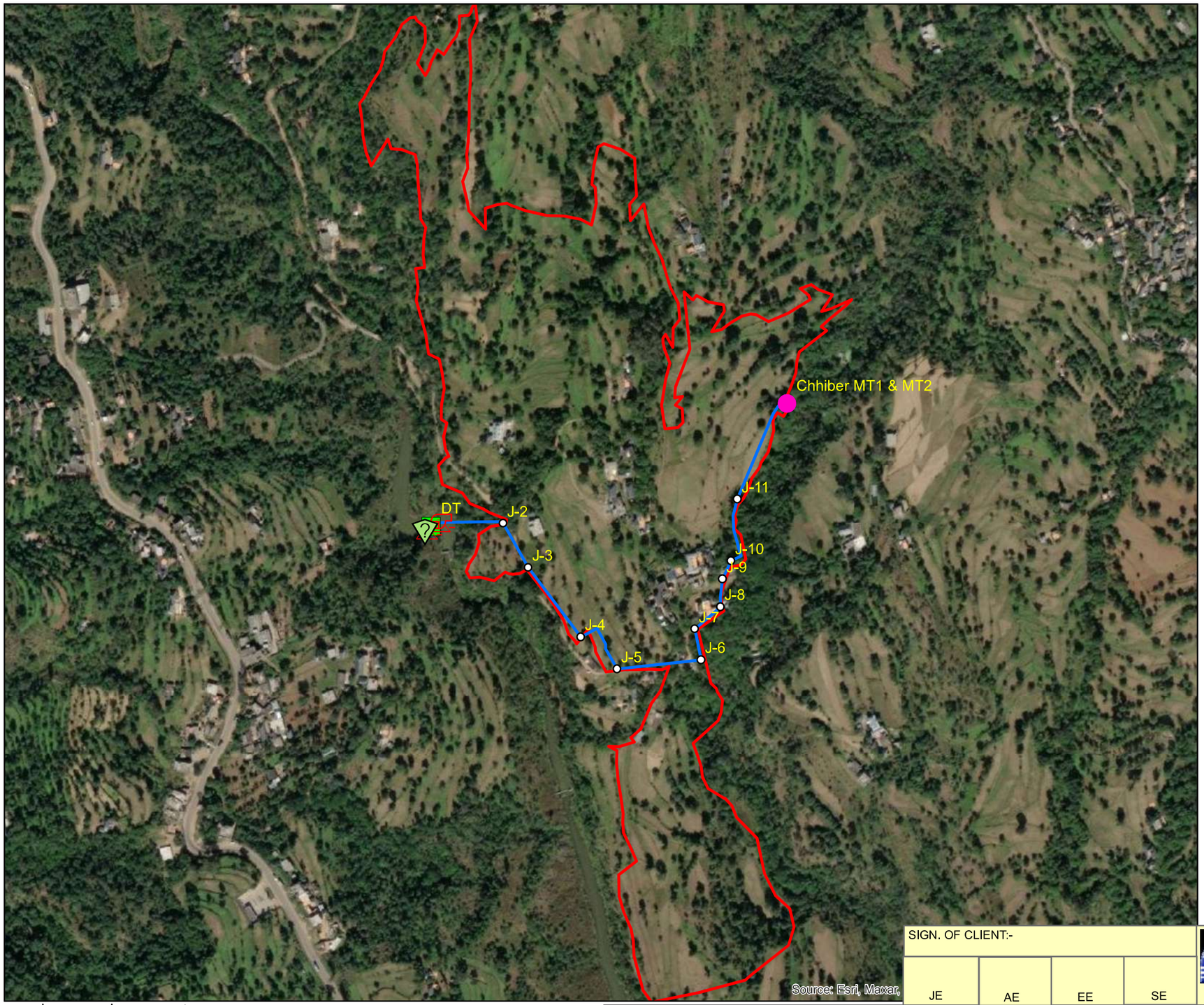
**TATA**CONSULTING ENGINEERS LIMITED.
MUMBAI

SCALE:- 1:5,000

DL.CEN.:- DEL-CV

DWG. No:- TCE.12503A-CV-3082-WS-34208

ISSUE:- P0




N
W E
S

## Legend

- Check Dam(Existing)
- Pump
- MT
- Tank
- Junction
- Rising Main 80mm Dia GI Pipe
- Re_CHHIBRIN

SIGN. OF CLIENT:-

| JE | AE | EE | SE |
|---|---|---|---|
| | | | |

**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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| | INITIALS | | | | | | | | | | | |
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| | INITIALS | GKJ | ES | DVB | | | | | | MK | DK | 21-06-2022 |
| | REVISIONS | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | | PE/PM | APPD. | DATE |
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File Name: 12503A-CV-34209-Rev-P0

TITLE:-

NETWORK DRAWING OF LIS CHHIBER FOR GHUMARWIN BLOCK, BILASPUR DISTRICT.

**TATA**CONSULTING ENGINEERS LIMITED.
MUMBAI

| SCALE:- 1:5,000 | DWG. No:- | ISSUE:- |
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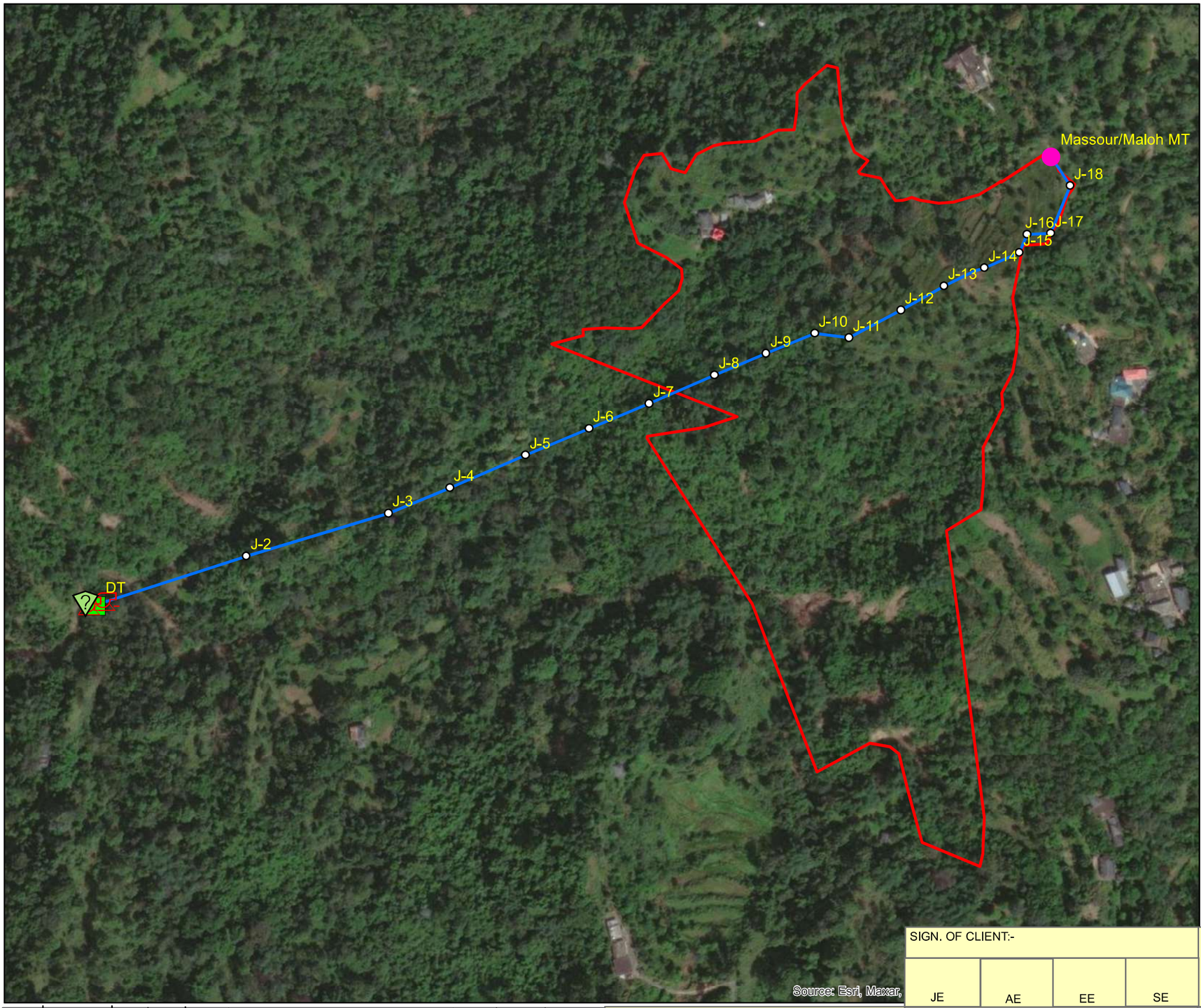
| DL.CEN.:- DEL-CV | TCE.12503A-CV-3082-WS-34209 | P0 |



## Legend

- Intake
- Pump
- MT
- TANK
- Junction
- Pipe
- MASSOURE_MALOH

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| | INITIALS | GKJ | ES | DVB | | | | MK | DK | | 15-06-2022 |
| | REVISIONS | | | | | | | | | | |
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SIGN. OF CLIENT:-

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File Name: 12503A-CV-34210-Rev-P0

**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

TITLE:- NETWORK DRAWING OF LIS MASSOUR MALOH FOR GHUMARWIN BLOCK, BILASPUR DISTRICT.

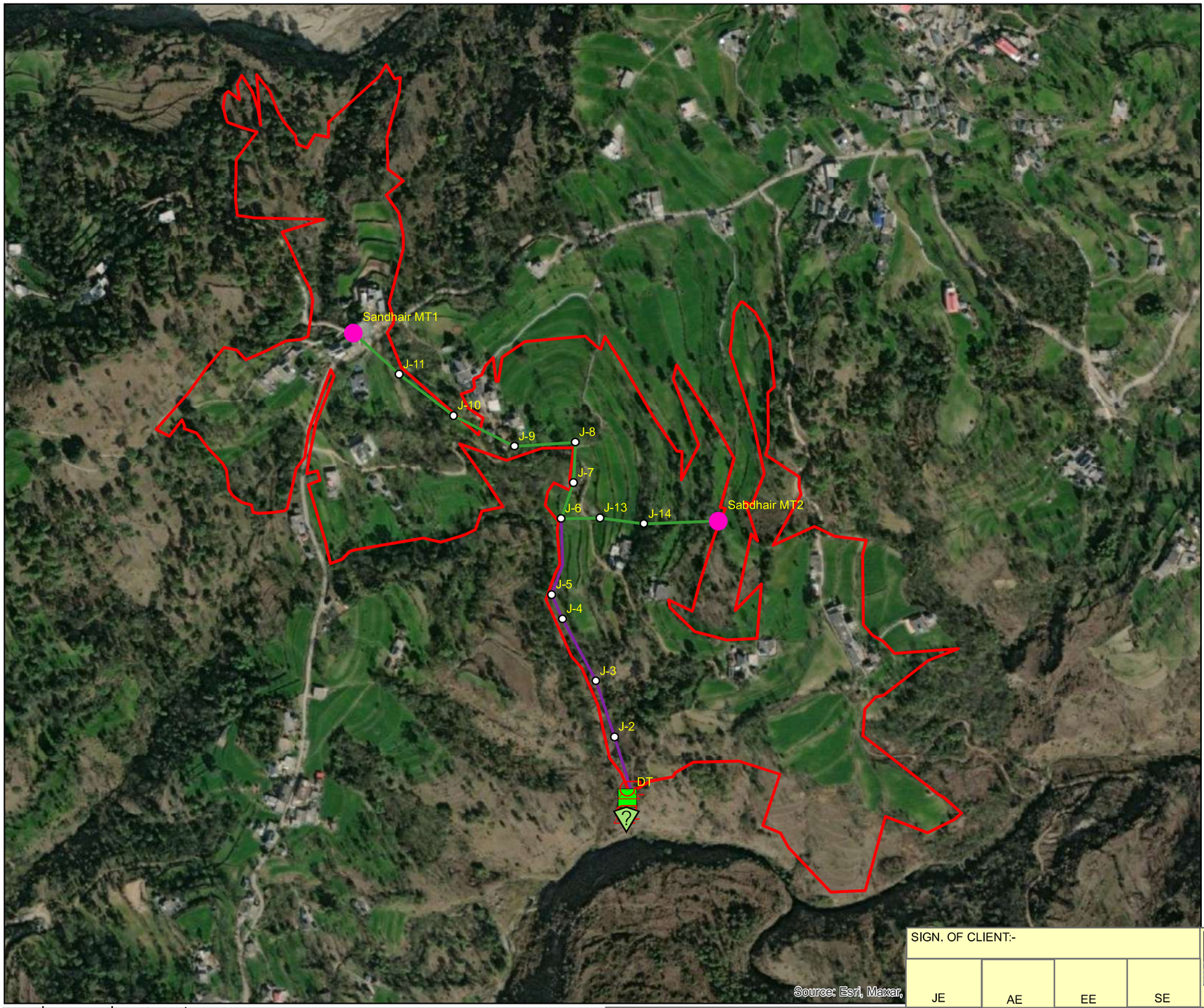
**TATA**CONSULTING ENGINEERS LIMITED.
MUMBAI

SCALE:- 1:3,000

DL.CEN.:- DEL-CV

DWG. No:- TCE.12503A-CV-3082-WS-34210

ISSUE:- P0



## Legend

- Intake
- PUMP
- MT
- Tank
- Junction
- Rising Main 100mm Dia GI Pipe
- Gravity Main 80mm Dia GI Pipe
- Sandhiyar

SIGN. OF CLIENT:-

| JE | AE | EE | SE |
|---|---|---|---|
| | | | |

**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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| | INITIALS | GKJ | ES | DVB | | | MK | DK | 15-06-2022 | |
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File Name: 12503A-CV-34211-Rev-P0

TITLE:- NETWORK DRAWING OF LIS SANDHIHAR FOR GHUMARWIN BLOCK, BILASPUR DISTRICT.

**TATA**CONSULTING ENGINEERS LIMITED.
MUMBAI

| SCALE:- 1:5,000 | DWG. No:- | ISSUE:- |
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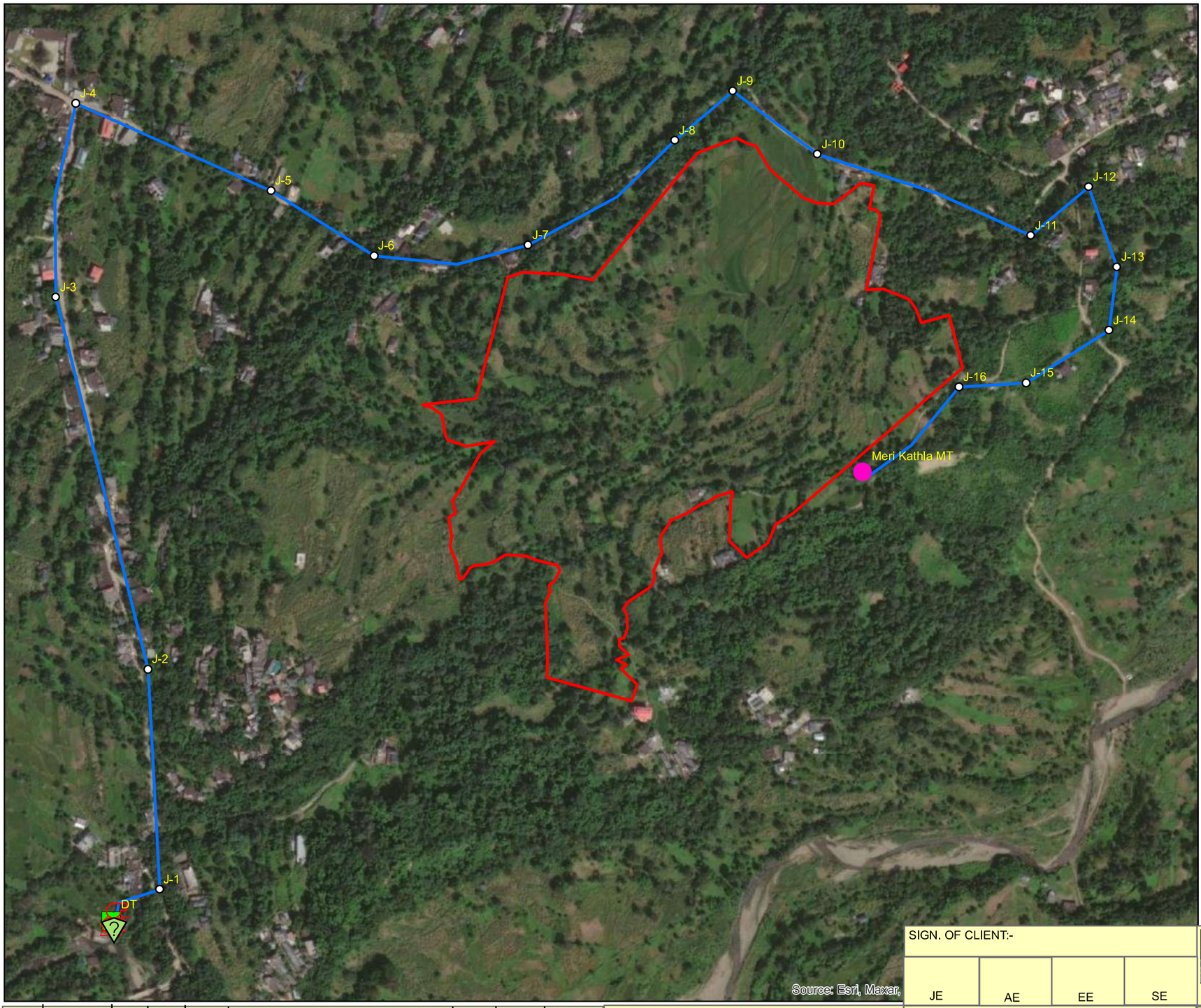
| DL.CEN.:- DEL-CV | TCE.12503A-CV-3082-WS-34211 | P0 |




N
W E
S

## Legend

- Intake
- Pump
- MT
- Tank
- Junction
- Rising Main 100mm Dia GI Pipe
- Mehri_Kathala

SIGN. OF CLIENT:-

| JE | AE | EE | SE |
|---|---|---|---|
| | | | |

**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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| | INITIALS | GKJ | ES | DVB | | | | | MK | DK | | 15-06-2022 |
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File Name: 12503A-CV-34212-Rev-P0

TITLE:- NETWORK DRAWING OF LIS MEHRI KATHLA FOR GHUMARWIN BLOCK, BILASPUR DISTRICT.

**TATA**CONSULTING ENGINEERS LIMITED.
MUMBAI

| SCALE:- 1:5,000 | DWG. No:- | ISSUE:- |
|---|---|---|
| DL.CEN.:- DEL-CV | TCE.12503A-CV-3082-WS-34212 | P0 |