

|                                                                                     |                                    |                                                                                     |                     |                                                                                     |                    |
|-------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------|--------------------|
|  | POWER CABLE CROSSING               |  | TRACK (Double Line) |  | OFC                |
|  | MLC                                |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                               |  | ROB                 |  | '4' QUAD           |
|  | ILC                                |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDARY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDARY |  | EC SOCKET           |  | OFC+ '4' QUAD      |

Profile view diagram of the proposed railway alignment from station 640/36 to 641/37-38. The diagram shows the track profile, ground level, and various engineering features. Key elements include:

- Stationing:** 640/36 to 641/37-38.
- Ground Level:** Represented by a dashed line with orange and red data points.
- Track Profile:** Represented by a solid line with black dots.
- Vertical Curve:** A purple dashed line representing the track's vertical alignment, with data points in green and orange.
- Engineering Features:**
  - A culvert (BR NO: 1238) is shown between stations 641/9-10 and 641/11-12.
  - A signal post (EC Socket @ 641/21-23) is located near station 641/21-22.
  - A station box (THANGUNDI Stn @ 641/30-32) is shown near station 641/29-30.
- Depth in Mtrs:** Values are provided for the ground level (top) and track profile (bottom) at various points.
- Direction:** The alignment runs from YADGIR (left) to THANGUNDI (right).

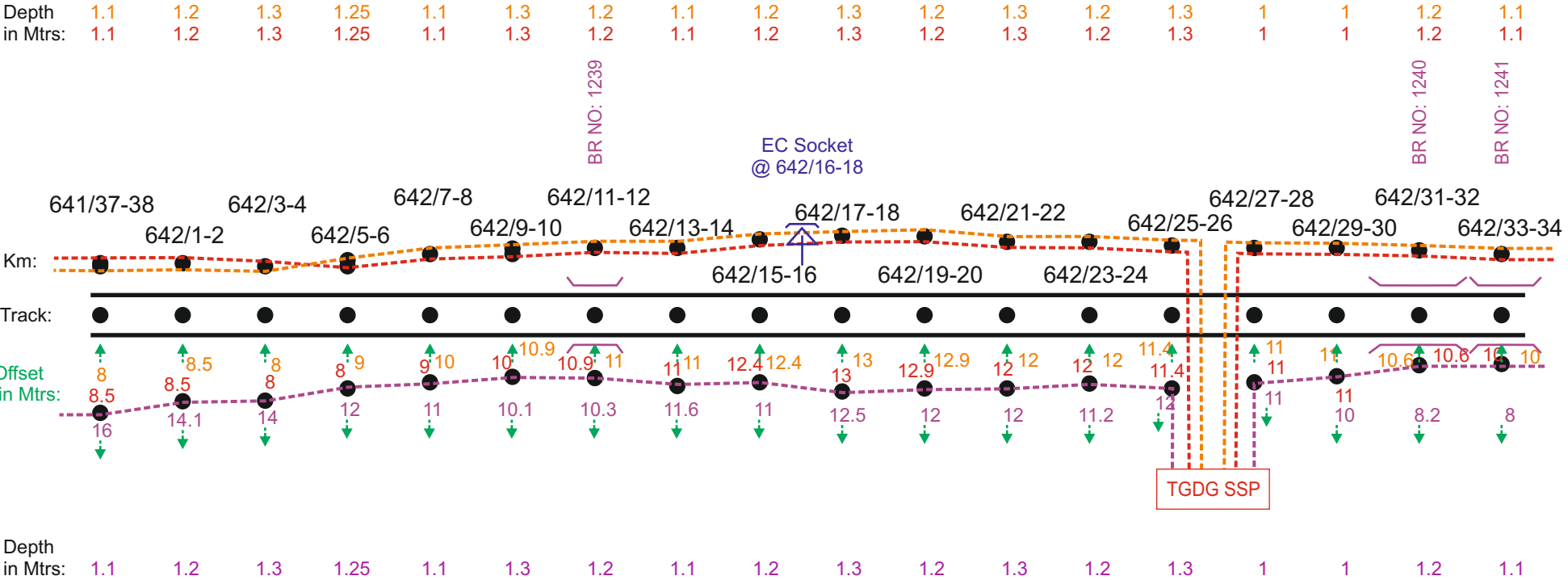
NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|            |          |                                                                                   |        |
|------------|----------|-----------------------------------------------------------------------------------|--------|
|            | DRAWN    | SIGNAL & TELECOMMUNICATIONS                                                       |        |
| U. Nagaraj | SSE/TELE | <b>OFC + QUAD UNDER GROUND</b><br>CABLE ROUTE DIAGRAM<br>BET : MOLAGAVALLI - WADI |        |
| ADSTE      |          |                                                                                   |        |
|            |          | SHEET                                                                             | SHEETS |
|            |          | 179                                                                               | 212    |

LEGEND

|  |                                   |  |                     |  |                    |
|--|-----------------------------------|--|---------------------|--|--------------------|
|  | POWER CABLE CROSSING              |  | TRACK (Double Line) |  | OFC                |
|  | MLC                               |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                              |  | ROB                 |  | '4' QUAD           |
|  | ILC                               |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |

UP LINE



← THANGUNDI

NALWAR →

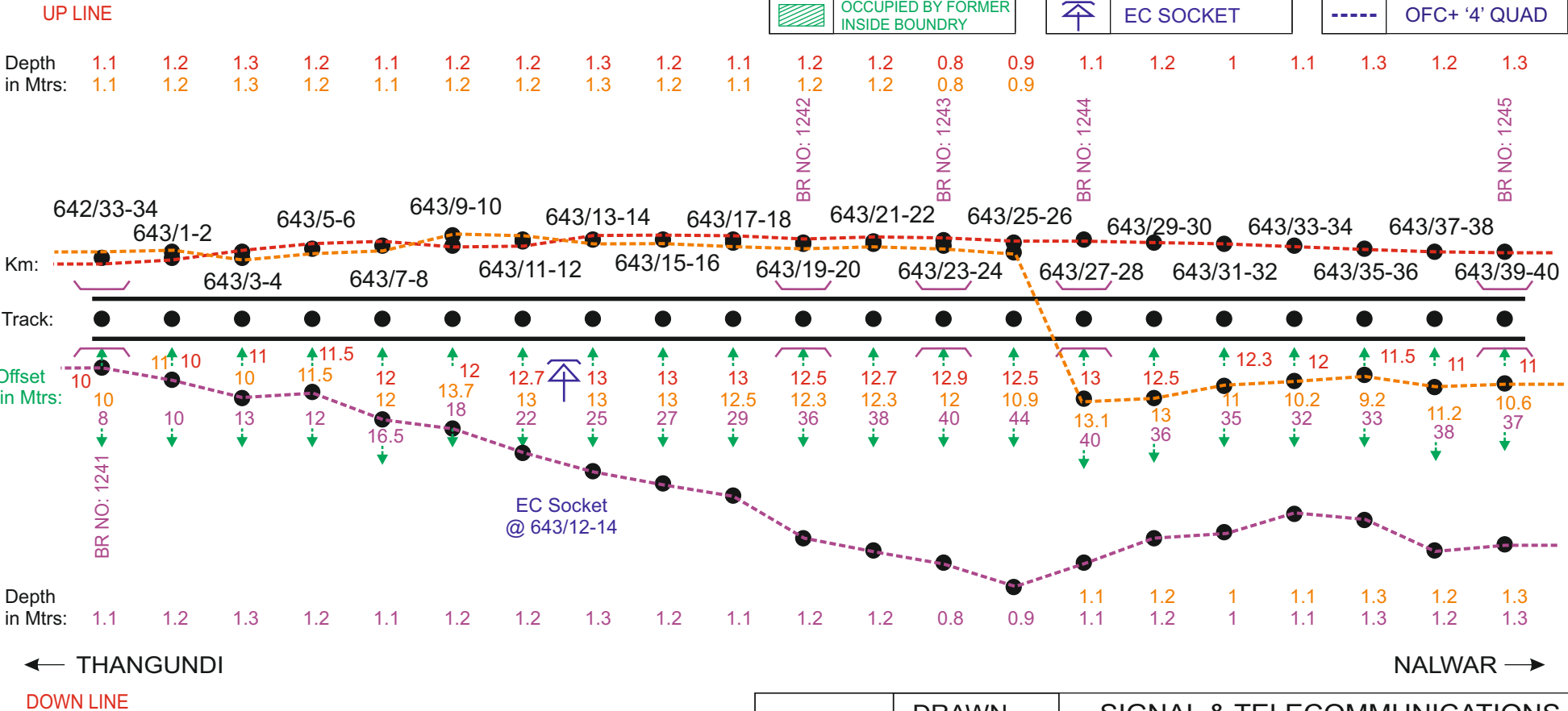
DOWN LINE

NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|           |          |                             |        |
|-----------|----------|-----------------------------|--------|
|           | DRAWN    | SIGNAL & TELECOMMUNICATIONS |        |
| U. Nagraj | SSE/TELE | OFC + QUAD UNDER GROUND     |        |
| ADSTE     |          | CABLE ROUTE DIAGRAM         |        |
|           |          | BET : MOLAGAVALLI - WADI    |        |
|           |          | SHEET                       | SHEETS |
|           |          | 180                         | 212    |

LEGEND

|  |                                   |  |                     |  |                    |
|--|-----------------------------------|--|---------------------|--|--------------------|
|  | POWER CABLE CROSSING              |  | TRACK (Double Line) |  | OFC                |
|  | MLC                               |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                              |  | ROB                 |  | '4' QUAD           |
|  | ILC                               |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |

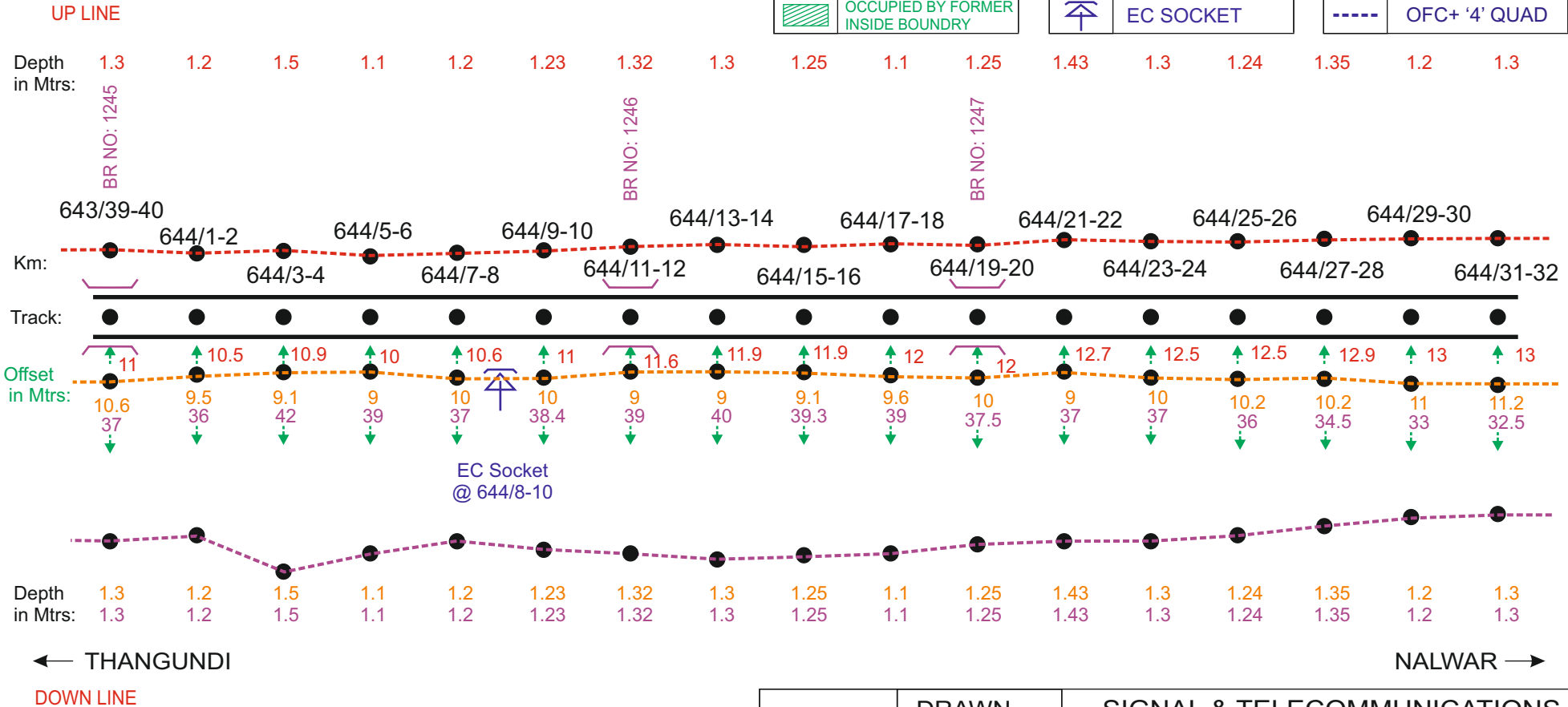


NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|           |          |                             |        |
|-----------|----------|-----------------------------|--------|
|           | DRAWN    | SIGNAL & TELECOMMUNICATIONS |        |
| U. Nagraj | SSE/TELE | OFC + QUAD UNDER GROUND     |        |
| Barley    | ADSTE    | CABLE ROUTE DIAGRAM         |        |
|           |          | BET : MOLAGAVALLI - WADI    |        |
|           |          | SHEET                       | SHEETS |
|           |          | 181                         | 212    |

LEGEND

|  |                                   |  |                     |  |                    |
|--|-----------------------------------|--|---------------------|--|--------------------|
|  | POWER CABLE CROSSING              |  | TRACK (Double Line) |  | OFC                |
|  | MLC                               |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                              |  | ROB                 |  | '4' QUAD           |
|  | ILC                               |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |



NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|           |          |                                                                            |        |
|-----------|----------|----------------------------------------------------------------------------|--------|
|           | DRAWN    | SIGNAL & TELECOMMUNICATIONS                                                |        |
| U. Nagraj | SSE/TELE | OFC + QUAD UNDER GROUND<br>CABLE ROUTE DIAGRAM<br>BET : MOLAGAVALLI - WADI |        |
| Barley    | ADSTE    |                                                                            |        |
|           |          | SHEET                                                                      | SHEETS |
|           |          | 182                                                                        | 212    |

|                                                                                     |                                   |                                                                                     |                     |                                                                                     |                    |
|-------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------|--------------------|
|  | POWER CABLE CROSSING              |  | TRACK (Double Line) |  | OFC                |
|  | MLC                               |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                              |  | ROB                 |  | '4' QUAD           |
|  | ILC                               |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |

Depth in Mtrs: 1.3 1.3 1.2 1.3 1.3 1.3 1.4 1.3 1.3 1.2 1.3 1.2 1.4 1.3 1.3 1.4 1.3

645/1-2 645/5-6 645/9-10 645/13-14 645/17-18 645/21-22 645/25-26 645/29-30

Km: 644/31-32 645/3-4 645/7-8 645/11-12 645/15-16 645/19-20 645/23-24 645/27-28 645/31-32

Track: ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●

Offset in Mtrs: 13 13.5 13.9 14 14 14.2 14 14.5 14.9 14.9 15 14.5 15 14.5 14.5 15 15.3

11.2 11.6 12 12 14 14.13 15.2 15.8 16.3 16.4 16.2 16.9 17.1 16.3 17 16 14 24

32.5 31 32.5 31.5 30 29 28 27.8 27.2 29 29.1 28.6 28.5 29 28 25 24

EC Socket @ 645/4-6

BR NO: 1248

BR NO: 1248A

Depth in Mtrs: 1.3 1.3 1.2 1.3 1.3 1.3 1.4 1.3 1.3 1.2 1.3 1.2 1.4 1.3 1.3 1.4 1.3

NALWAR →

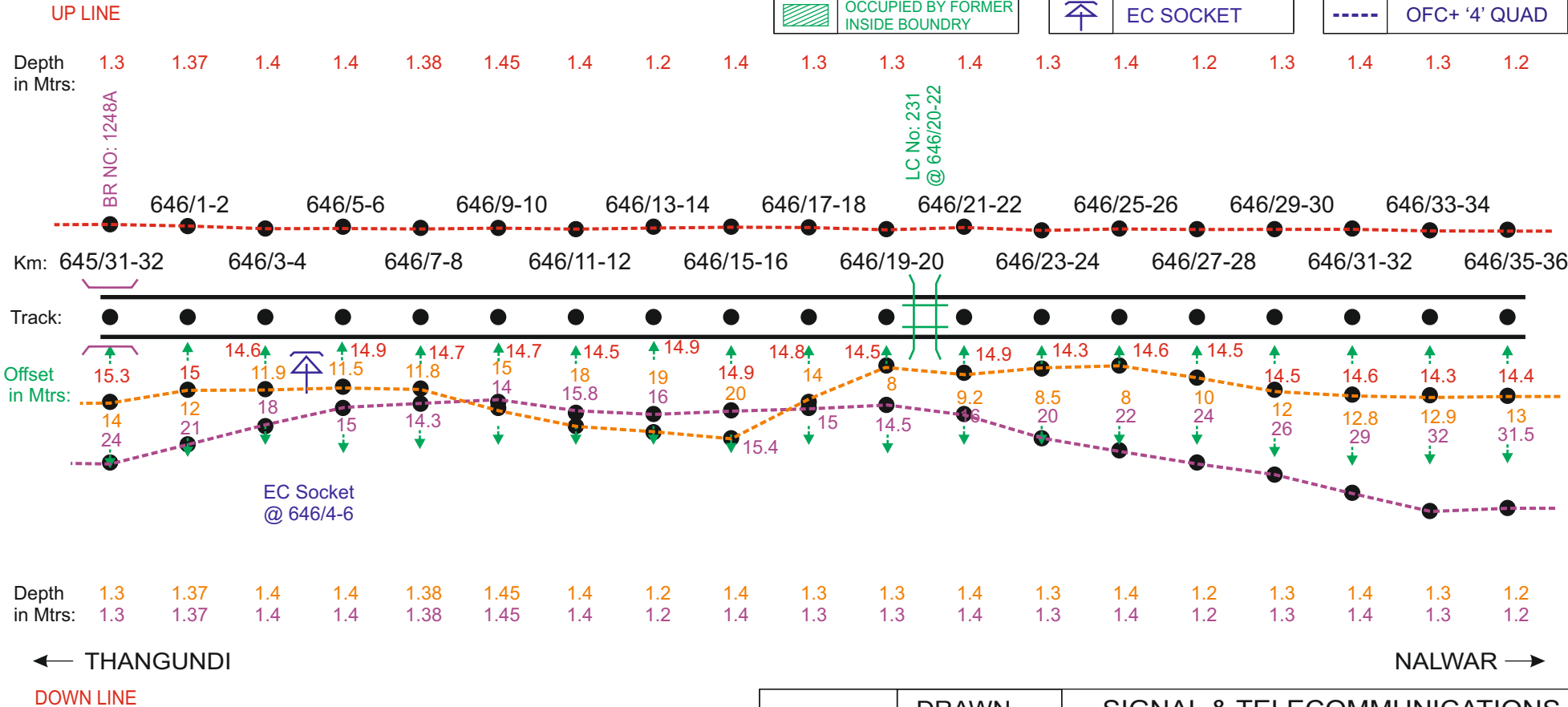
|            |          |                                                                                   |
|------------|----------|-----------------------------------------------------------------------------------|
|            | DRAWN    | SIGNAL & TELECOMMUNICATIONS                                                       |
| U. Nagaraj | SSE/TELE | <b>OFC + QUAD UNDER GROUND</b><br>CABLE ROUTE DIAGRAM<br>BET : MOLAGAVALLI - WADI |
| TAREK      | ADSTE    |                                                                                   |

NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|  |       |        |
|--|-------|--------|
|  | SHEET | SHEETS |
|  | 183   | 212    |

LEGEND

|  |                                   |  |                     |  |                    |
|--|-----------------------------------|--|---------------------|--|--------------------|
|  | POWER CABLE CROSSING              |  | TRACK (Double Line) |  | OFC                |
|  | MLC                               |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                              |  | ROB                 |  | '4' QUAD           |
|  | ILC                               |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |

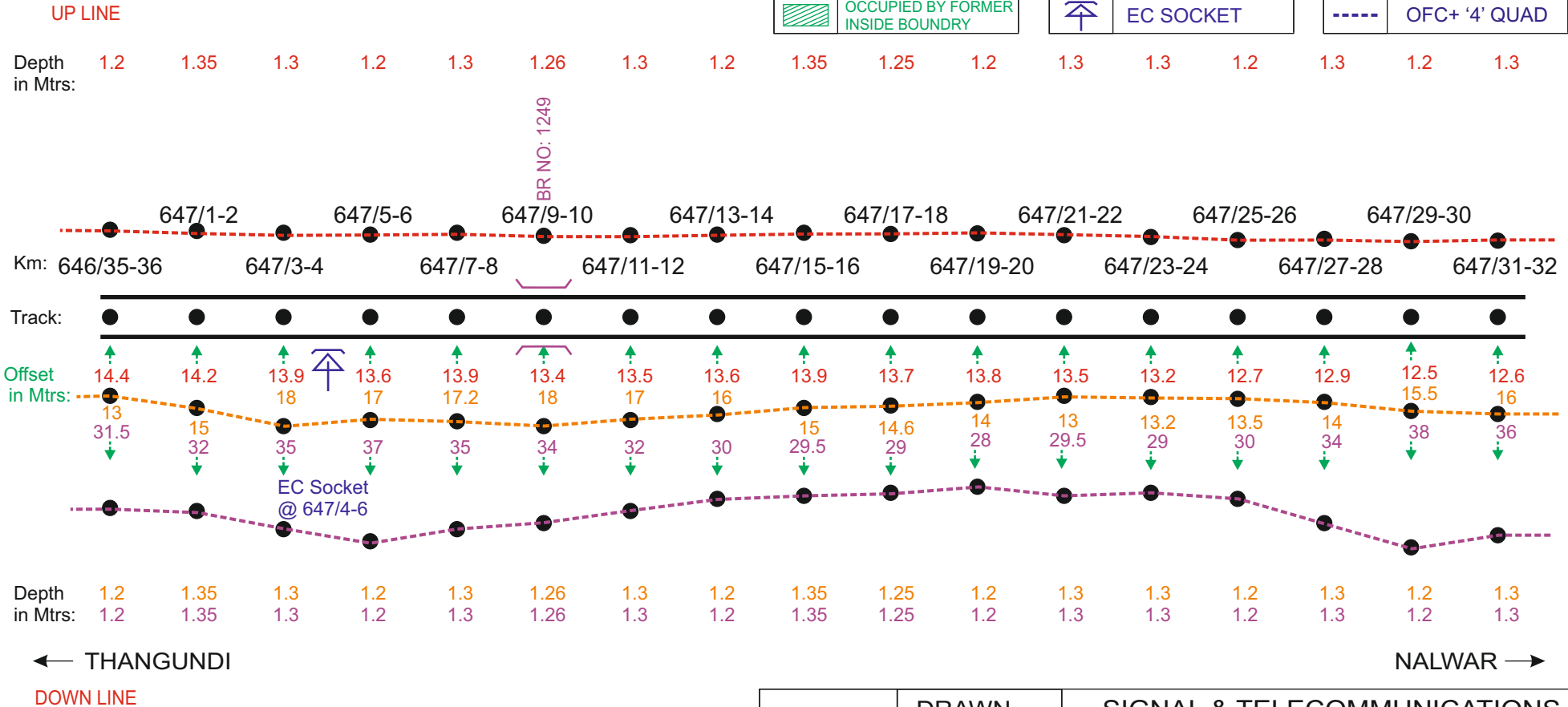


NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|           |          |                                                                            |        |
|-----------|----------|----------------------------------------------------------------------------|--------|
|           | DRAWN    | SIGNAL & TELECOMMUNICATIONS                                                |        |
| U. Nagraj | SSE/TELE | OFC + QUAD UNDER GROUND<br>CABLE ROUTE DIAGRAM<br>BET : MOLAGAVALLI - WADI |        |
| ADSTE     | ADSTE    |                                                                            |        |
|           |          | SHEET                                                                      | SHEETS |
|           |          | 184                                                                        | 212    |

LEGEND

|  |                                   |  |                     |  |                    |
|--|-----------------------------------|--|---------------------|--|--------------------|
|  | POWER CABLE CROSSING              |  | TRACK (Double Line) |  | OFC                |
|  | MLC                               |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                              |  | ROB                 |  | '4' QUAD           |
|  | ILC                               |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |



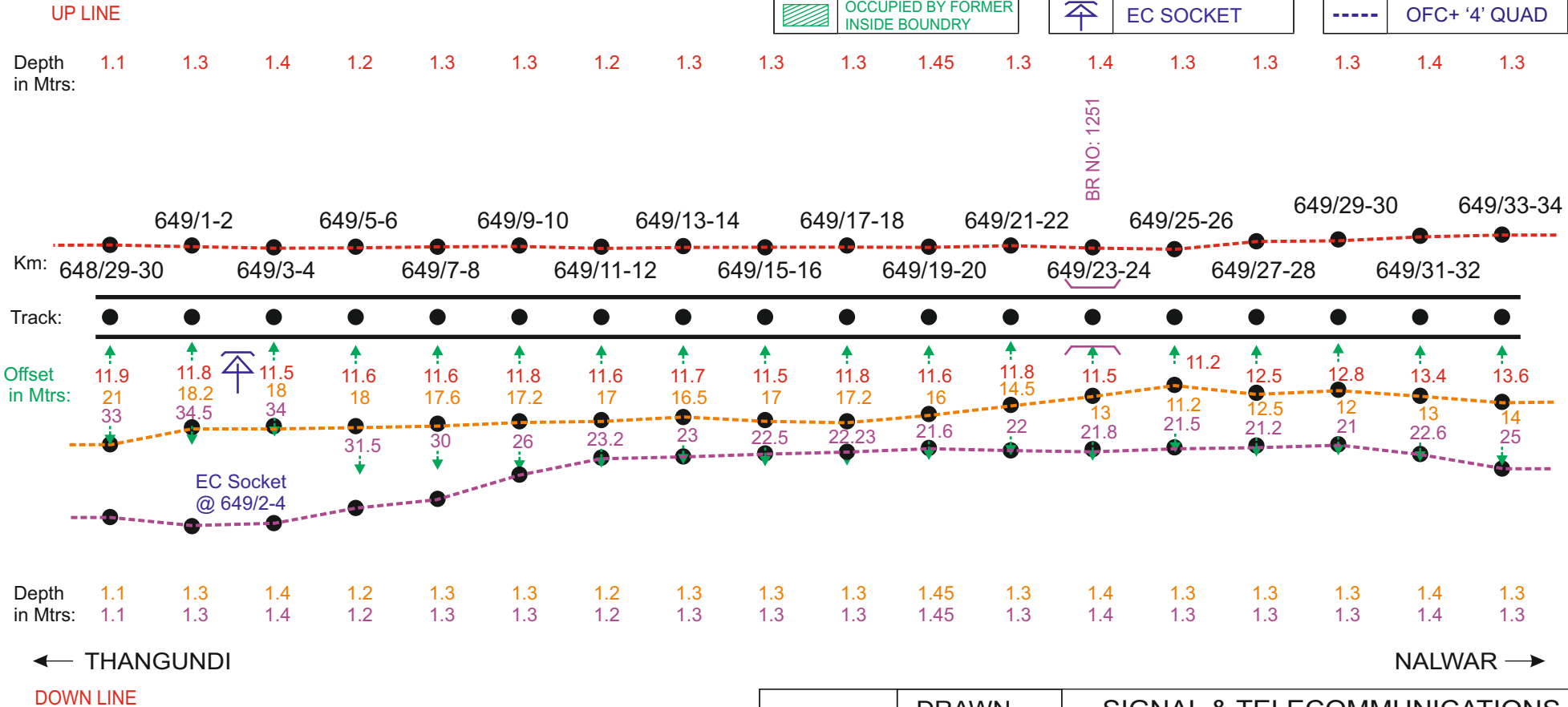
NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|           |          |                                                                            |        |
|-----------|----------|----------------------------------------------------------------------------|--------|
|           | DRAWN    | SIGNAL & TELECOMMUNICATIONS                                                |        |
| U. Nagraj | SSE/TELE | OFC + QUAD UNDER GROUND<br>CABLE ROUTE DIAGRAM<br>BET : MOLAGAVALLI - WADI |        |
| ADSTE     | ADSTE    |                                                                            |        |
|           |          | SHEET                                                                      | SHEETS |
|           |          | 185                                                                        | 212    |



LEGEND

|  |                                   |  |                     |  |                    |
|--|-----------------------------------|--|---------------------|--|--------------------|
|  | POWER CABLE CROSSING              |  | TRACK (Double Line) |  | OFC                |
|  | MLC                               |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                              |  | ROB                 |  | '4' QUAD           |
|  | ILC                               |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |

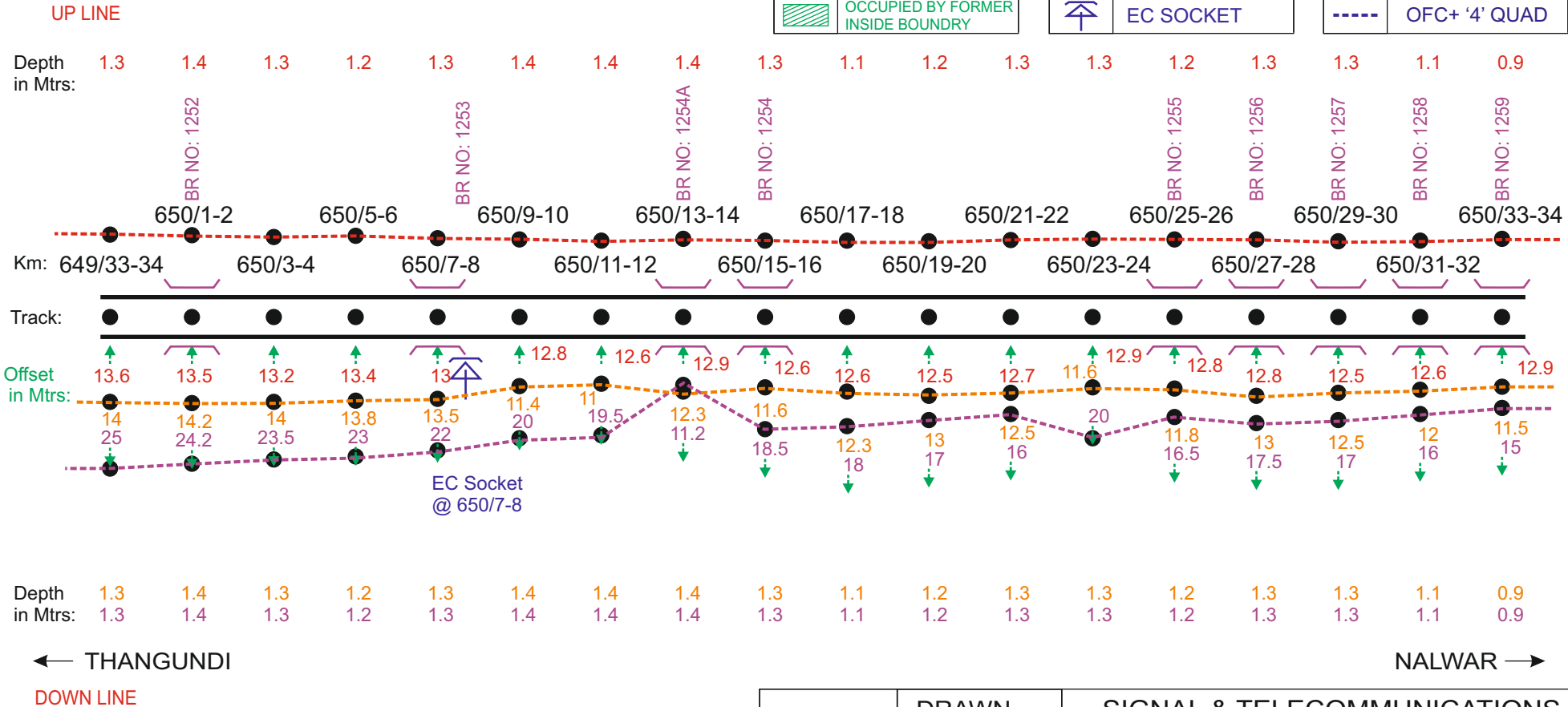


NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|           |          |                             |        |
|-----------|----------|-----------------------------|--------|
|           | DRAWN    | SIGNAL & TELECOMMUNICATIONS |        |
| U. Nagraj | SSE/TELE | OFC + QUAD UNDER GROUND     |        |
| Barley    | ADSTE    | CABLE ROUTE DIAGRAM         |        |
|           |          | BET : MOLAGAVALLI - WADI    |        |
|           |          | SHEET                       | SHEETS |
|           |          | 187                         | 212    |

LEGEND

|  |                                   |  |                     |  |                    |
|--|-----------------------------------|--|---------------------|--|--------------------|
|  | POWER CABLE CROSSING              |  | TRACK (Double Line) |  | OFC                |
|  | MLC                               |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                              |  | ROB                 |  | '4' QUAD           |
|  | ILC                               |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |

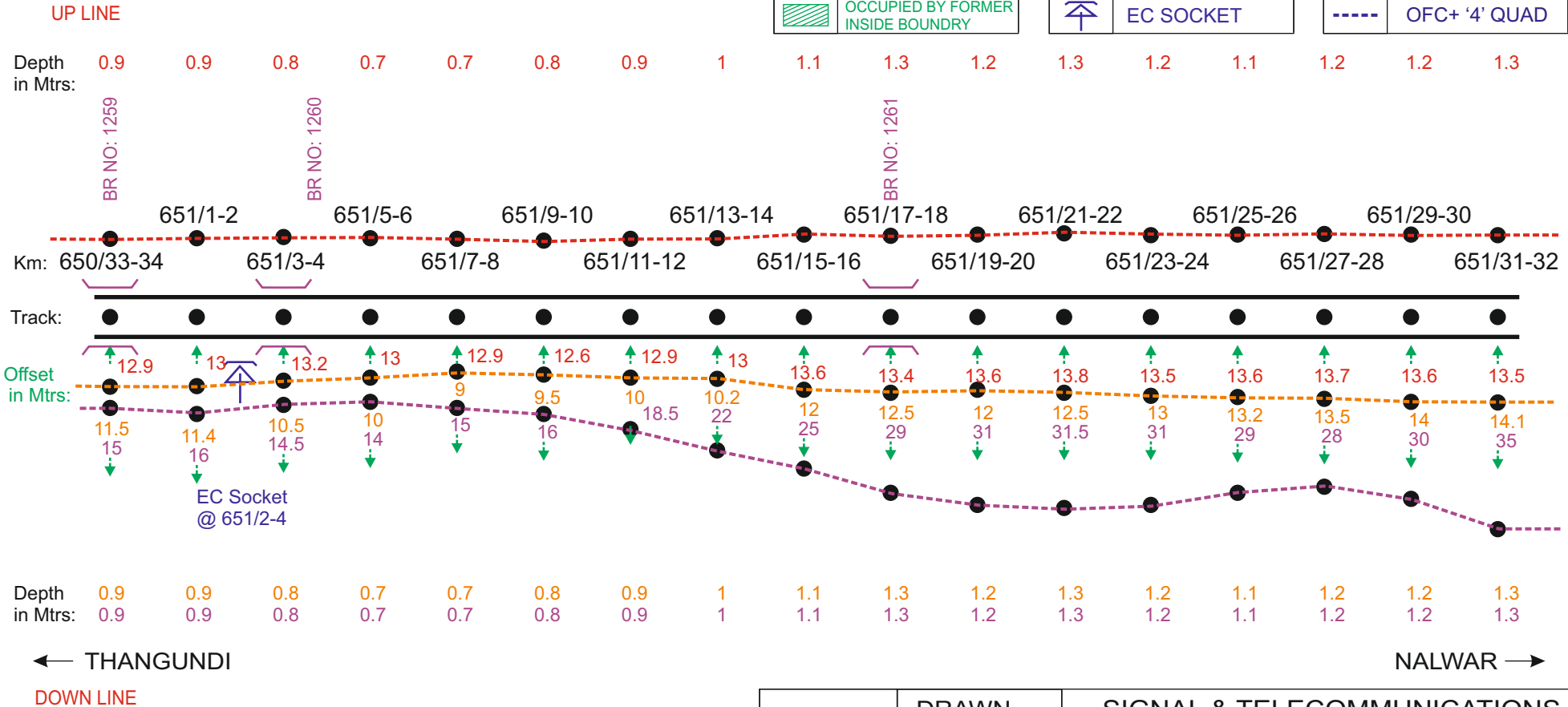


NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|            |          |                                                                            |        |
|------------|----------|----------------------------------------------------------------------------|--------|
|            | DRAWN    | SIGNAL & TELECOMMUNICATIONS                                                |        |
| U. Nagaria | SSE/TELE | OFC + QUAD UNDER GROUND<br>CABLE ROUTE DIAGRAM<br>BET : MOLAGAVALLI - WADI |        |
| Barley     | ADSTE    |                                                                            |        |
|            |          | SHEET                                                                      | SHEETS |
|            |          | 188                                                                        | 212    |

LEGEND

|  |                                   |  |                     |  |                    |
|--|-----------------------------------|--|---------------------|--|--------------------|
|  | POWER CABLE CROSSING              |  | TRACK (Double Line) |  | OFC                |
|  | MLC                               |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                              |  | ROB                 |  | '4' QUAD           |
|  | ILC                               |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |

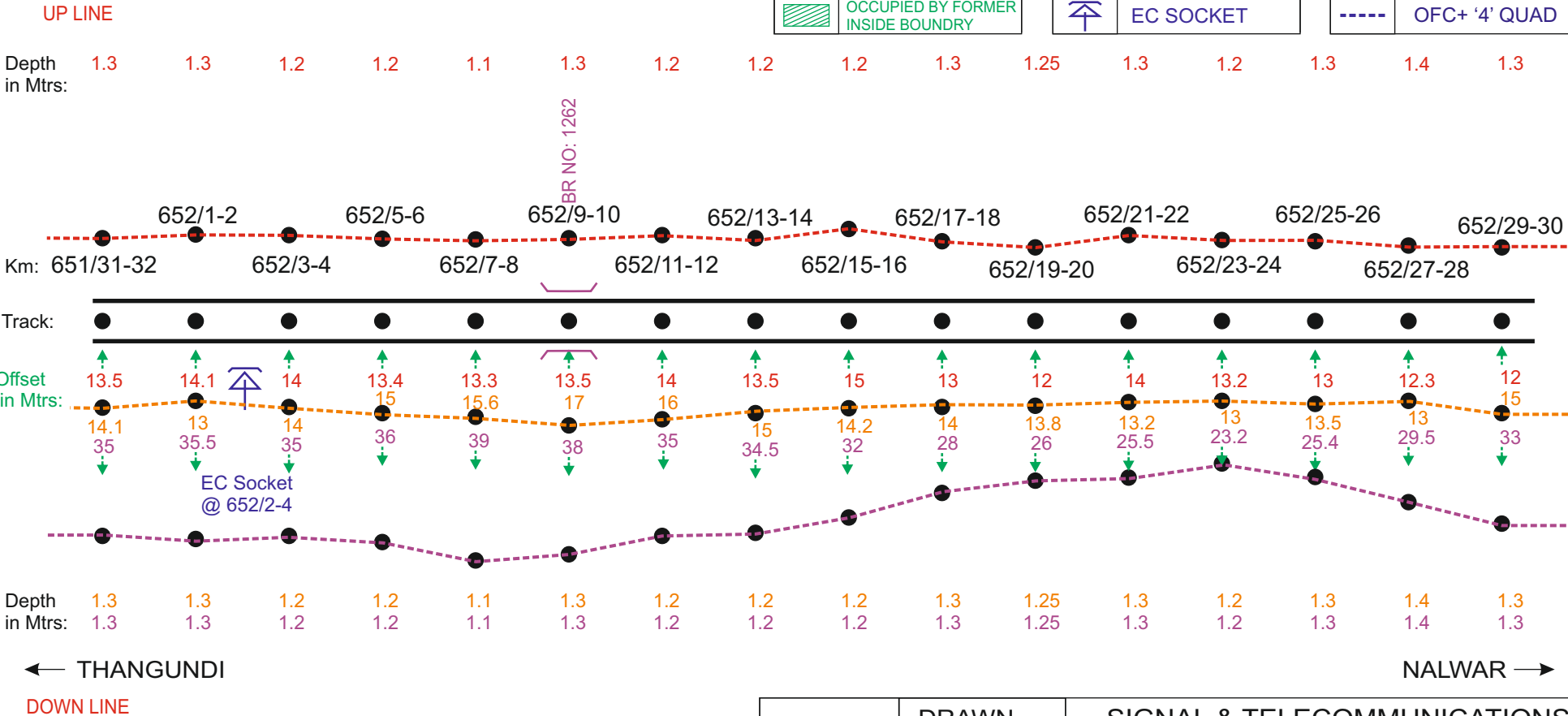


NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|            |          |                                                                            |        |
|------------|----------|----------------------------------------------------------------------------|--------|
|            | DRAWN    | SIGNAL & TELECOMMUNICATIONS                                                |        |
| U. Nagaria | SSE/TELE | OFC + QUAD UNDER GROUND<br>CABLE ROUTE DIAGRAM<br>BET : MOLAGAVALLI - WADI |        |
| ADSTE      |          |                                                                            |        |
|            |          | SHEET                                                                      | SHEETS |
|            |          | 189                                                                        | 212    |

LEGEND

|  |                                   |  |                     |  |                    |
|--|-----------------------------------|--|---------------------|--|--------------------|
|  | POWER CABLE CROSSING              |  | TRACK (Double Line) |  | OFC                |
|  | MLC                               |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                              |  | ROB                 |  | '4' QUAD           |
|  | ILC                               |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |



NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|           |          |                                                                            |        |
|-----------|----------|----------------------------------------------------------------------------|--------|
|           | DRAWN    | SIGNAL & TELECOMMUNICATIONS                                                |        |
| U. Nagraj | SSE/TELE | OFC + QUAD UNDER GROUND<br>CABLE ROUTE DIAGRAM<br>BET : MOLAGAVALLI - WADI |        |
| ADSTE     |          |                                                                            |        |
|           |          | SHEET                                                                      | SHEETS |
|           |          | 190                                                                        | 212    |

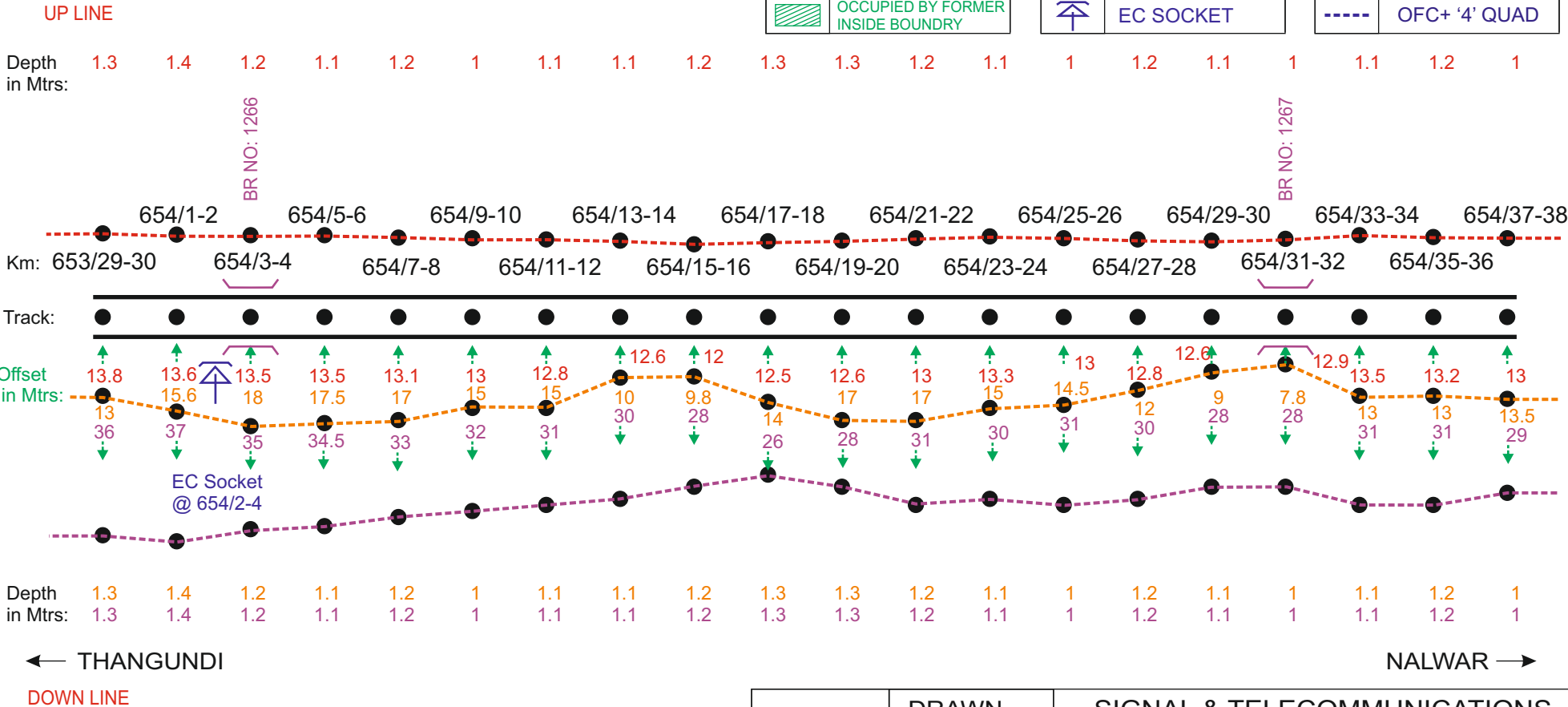
|                                                                                     |                                      |                                                                                     |                     |                                                                                     |                    |
|-------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------|--------------------|
|  | POWER CABLE CROSSING                 |  | TRACK (Double Line) |  | OFC                |
|  | MLC                                  |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                                 |  | ROB                 |  | '4' QUAD           |
|  | ILC                                  |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                       |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER<br>INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |



|                                                                                       |          |                                                                                       |        |
|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|--------|
|                                                                                       | DRAWN    | SIGNAL & TELECOMMUNICATIONS                                                           |        |
| U. Nagaraj                                                                            | SSE/TELE | <b>OFC + QUAD UNDER GROUND</b><br><br>CABLE ROUTE DIAGRAM<br>BET : MOLAGAVALLI - WADI |        |
|  | ADSTE    |                                                                                       |        |
|                                                                                       |          | SHEET                                                                                 | SHEETS |
|                                                                                       |          | 191                                                                                   | 212    |

LEGEND

|  |                                   |  |                     |  |                    |
|--|-----------------------------------|--|---------------------|--|--------------------|
|  | POWER CABLE CROSSING              |  | TRACK (Double Line) |  | OFC                |
|  | MLC                               |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                              |  | ROB                 |  | '4' QUAD           |
|  | ILC                               |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |

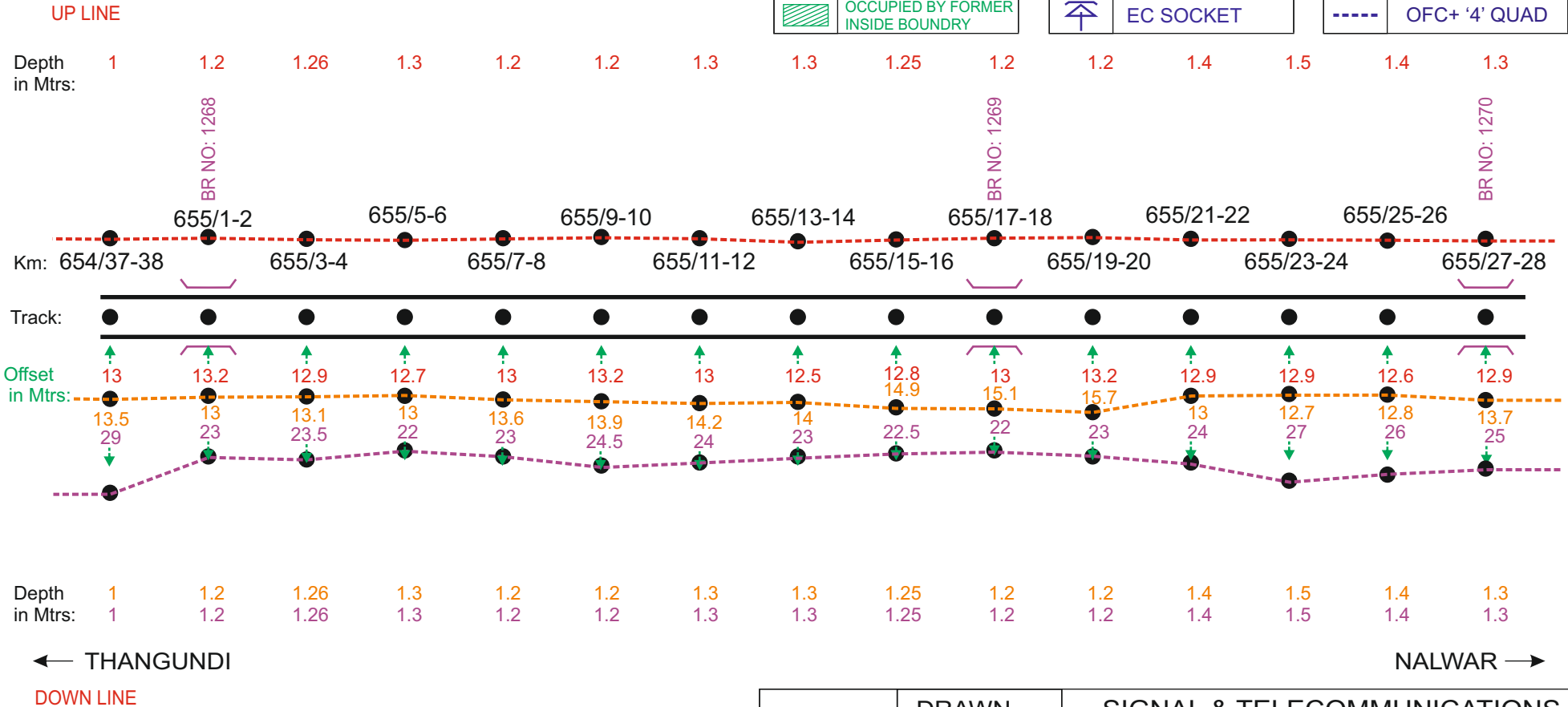


NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|           |          |                                                                            |        |
|-----------|----------|----------------------------------------------------------------------------|--------|
|           | DRAWN    | SIGNAL & TELECOMMUNICATIONS                                                |        |
| U. Nagraj | SSE/TELE | OFC + QUAD UNDER GROUND<br>CABLE ROUTE DIAGRAM<br>BET : MOLAGAVALLI - WADI |        |
| ADSTE     |          |                                                                            |        |
|           |          | SHEET                                                                      | SHEETS |
|           |          | 192                                                                        | 212    |

LEGEND

|  |                                   |  |                     |  |                    |
|--|-----------------------------------|--|---------------------|--|--------------------|
|  | POWER CABLE CROSSING              |  | TRACK (Double Line) |  | OFC                |
|  | MLC                               |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                              |  | ROB                 |  | '4' QUAD           |
|  | ILC                               |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                    |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |



NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

|           |          |                             |        |
|-----------|----------|-----------------------------|--------|
|           | DRAWN    | SIGNAL & TELECOMMUNICATIONS |        |
| U. Nagraj | SSE/TELE | OFC + QUAD UNDER GROUND     |        |
| ADSTE     |          | CABLE ROUTE DIAGRAM         |        |
|           |          | BET : MOLAGAVALLI - WADI    |        |
|           |          | SHEET                       | SHEETS |
|           |          | 193                         | 212    |

|                                                                                     |                                      |                                                                                     |                     |                                                                                     |                    |
|-------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------|--------------------|
|  | POWER CABLE CROSSING                 |  | TRACK (Double Line) |  | OFC                |
|  | MLC                                  |  | TRACK (Single Line) |  | '6' QUAD           |
|  | UMLC                                 |  | ROB                 |  | '4' QUAD           |
|  | ILC                                  |  | GIRDER BRIDGE       |  | '6' QUAD+ '4' QUAD |
|  | OUT OF BOUNDRY                       |  | CONCRETE BRIDGE     |  | OFC+ '6' QUAD      |
|  | OCCUPIED BY FORMER<br>INSIDE BOUNDRY |  | EC SOCKET           |  | OFC+ '4' QUAD      |



|            |          |                                                                                   |        |
|------------|----------|-----------------------------------------------------------------------------------|--------|
|            | DRAWN    | SIGNAL & TELECOMMUNICATIONS                                                       |        |
| U. Nagaraj | SSE/TELE | <b>OFC + QUAD UNDER GROUND</b><br>CABLE ROUTE DIAGRAM<br>BET : MOLAGAVALLI - WADI |        |
| ADSTE      |          |                                                                                   |        |
|            |          | SHEET                                                                             | SHEETS |
|            |          | 194                                                                               | 212    |