(3)

OFC & 6 QUAD CABLE ROUTE PLAN

IN

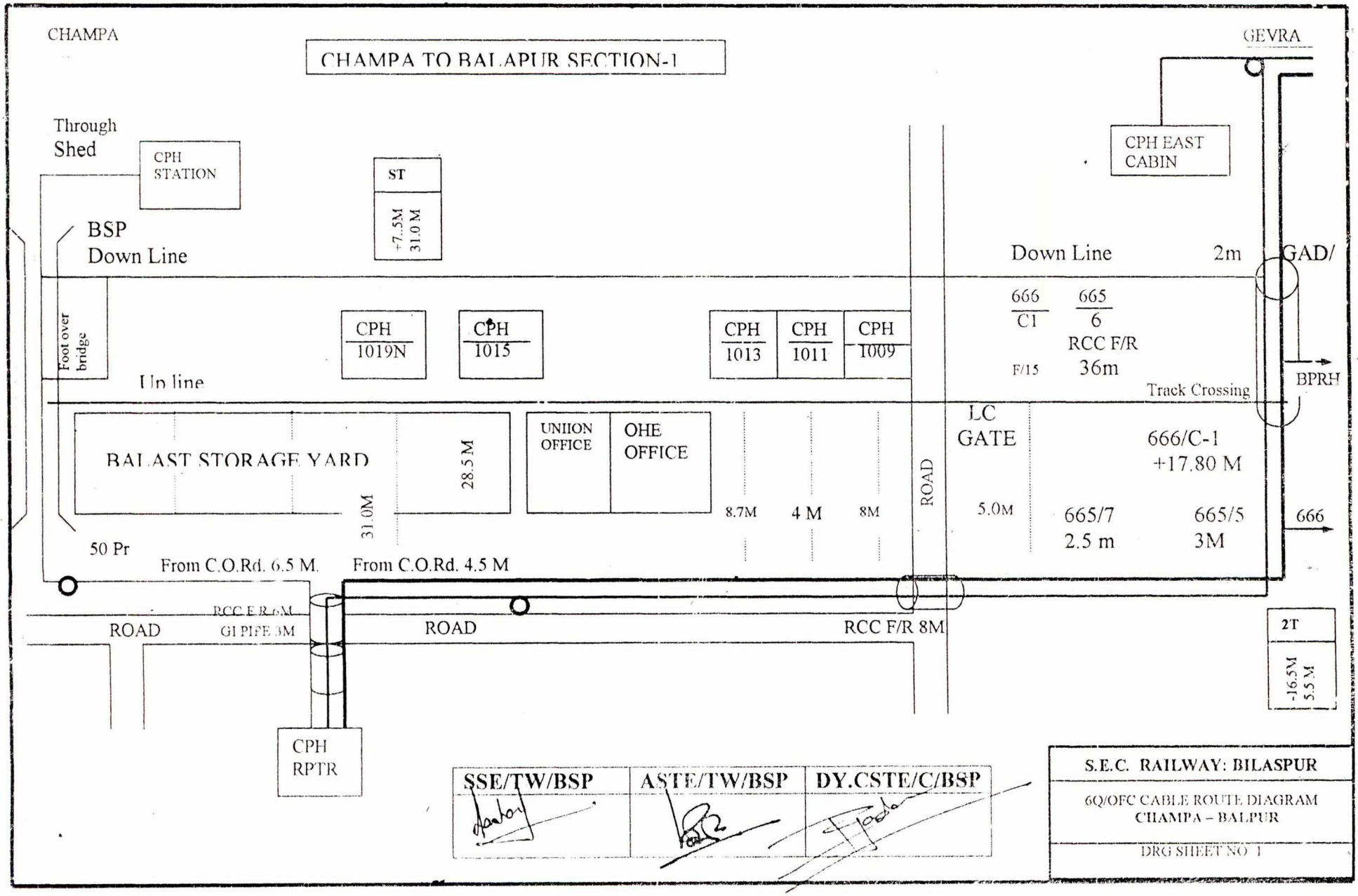
CHAMPA - GEVRA ROAD SECTION

OF

BILASPUR DIVISION

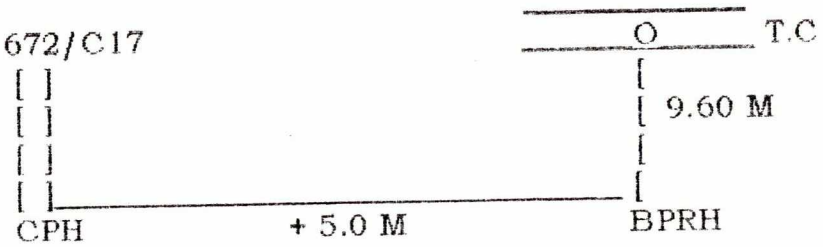
OF

SOUTH EAST CETRAL RAILWAY

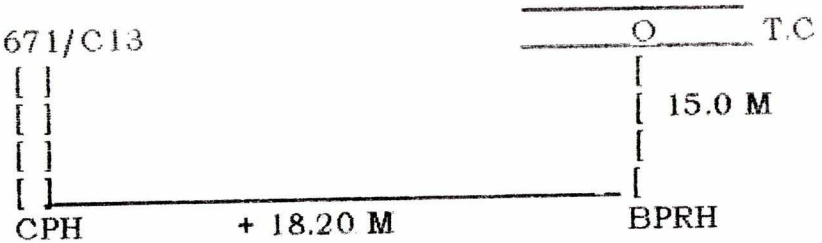

CHAMPA
CHAMPA TO BALAPUR SECTION-1
GEVRA
Through Shed
CPH STATION
ST
+7.5M 31.0 M
CPH EAST CABIN
BSP Down Line
Down Line
2m
GAD/
Foot over bridge
CPH 1019N
CPH 1015
CPH 1013
CPH 1011
CPH 1009
666 C1
665 6
RCC F/R
F/15
36m
Track Crossing
BPRH
Up line
BALAST STORAGE YARD
31.0M
28.5 M
UNIION OFFICE
OHE OFFICE
8.7M
4 M
8M
ROAD
LC GATE
5.0M
666/C-1
+17.80 M
665/7
2.5 m
665/5
3M
666
50 Pr
From C.O.Rd. 6.5 M.
From C.O.Rd. 4.5 M
RCC F/R 6M
GI PIPE 3M
ROAD
ROAD
RCC F/R 8M
2T
-16.5M 5.5 M
CPH RPTR
SSE/TW/BSP
ASTE/TW/BSP
DY.CSTE/C/BSP
S.E.C. RAILWAY: BILASPUR
6Q/OFC CABLE ROUTE DIAGRAM
CHAMPA – BALPUR
DRG SHEET NO 1

Detail of Jointing schedule of cable layed between BPRH – CPH
Testing done along with TCM/CPH ---- Sri – Sitaram on 22.03.09

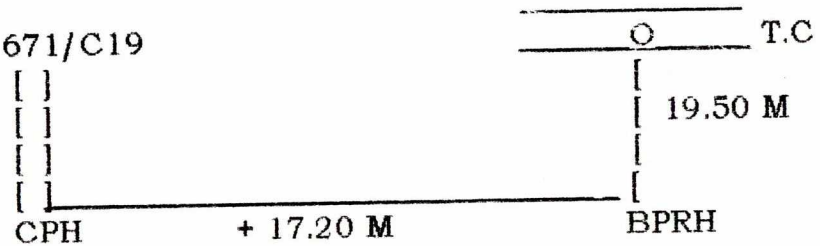
1 St Joint at KM No.- 672/C17 Loop resistance --- 59.6 Ohms
Insulation --- Infinity



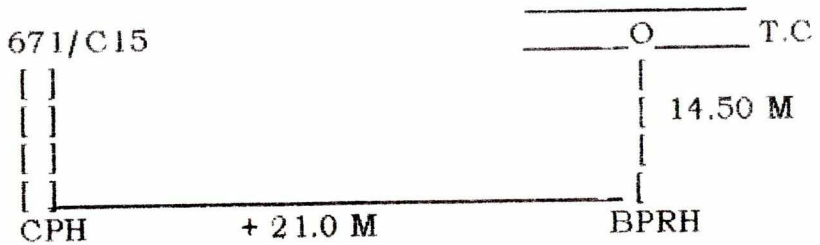
2 Nd Joint at KM No.- 672/C17 Loop resistance --- 118.6 Ohms
Insulation --- Infinity



3 rd Joint at KM No.- 670/C19 Loop resistance --- 172 Ohms
Insulation --- Infinity

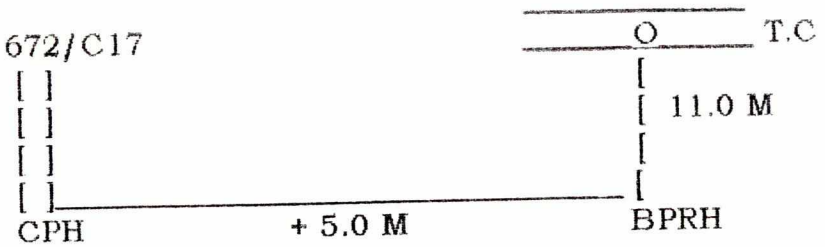


4 th Joint at KM No.- 669/C15 Loop resistance --- 227.8 Ohms
Insulation --- Infinity

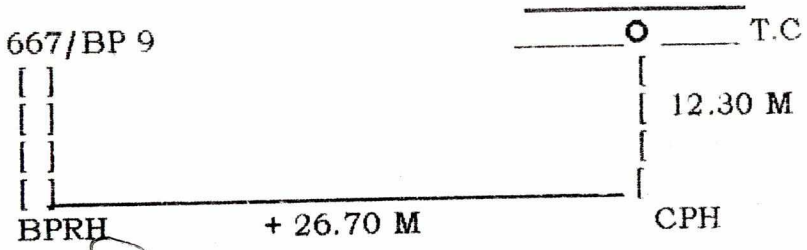


Detail of Jointing schedule of cable layed between BPRH – CPH
Testing done along with TCM/CPH ---- Sri - Arun on 24.03.09

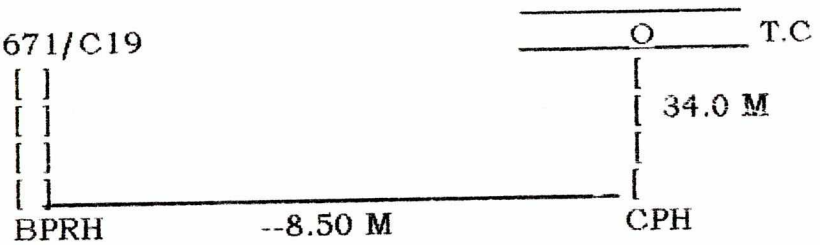
5 th Joint at KM No.- 668/C19 Loop resistance --- 285 Ohms
Insulation --- Infinity



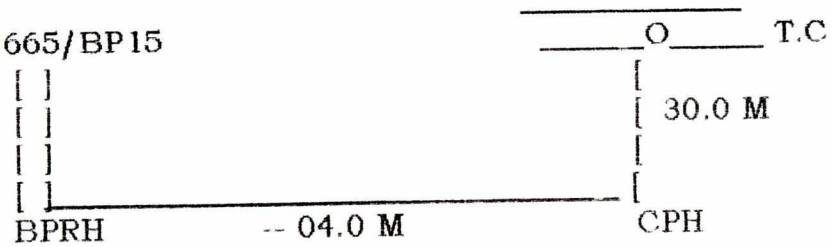
6 th Joint at KM No.- 667/BP 9 Loop resistance --- 340 Ohms
1 St Emergency socket joint Insulation --- Infinity



Joint testing done along with TCM/CPH Arun on – Dt.-29.03.09
7 th Joint at KM No.- 666/B15 Loop resistance --- 404 Ohms
2 Nd Emergency Socket Joint Insulation --- Infinity



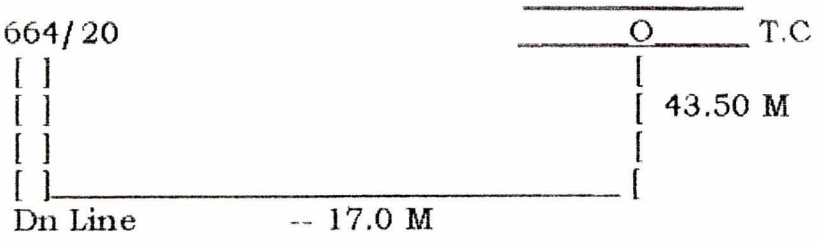
8 th Joint at KM No.- 669/C15 Loop resistance --- 464 Ohms
3 Rd Emergency Socket Joint Insulation --- Infinity



Detail of Jointing schedule of cable layed between BPRH – CPH
Testing done along with TCM/CPH ---- Sri - Arun on 29.03.09

9 th Joint at KM No.- 668/C 19

Loop resistance --- 520 Ohms
Insulation --- Infinity



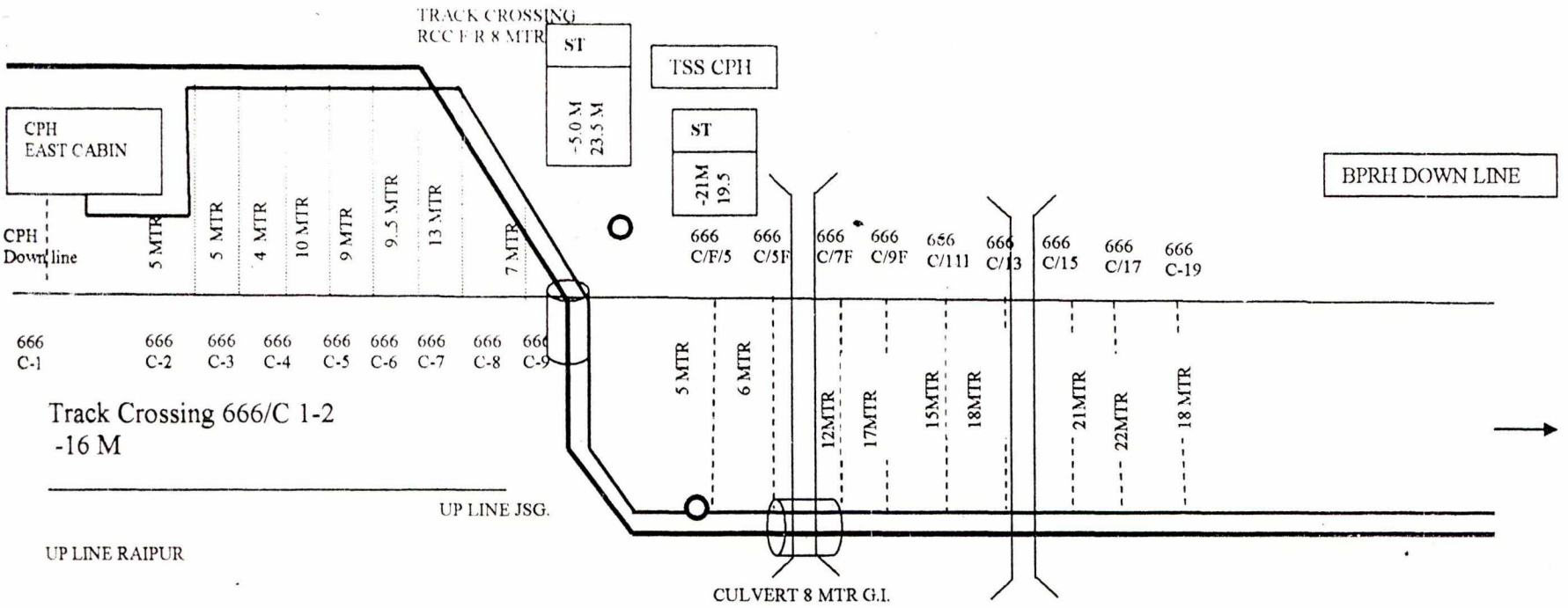
E. Socket joint details :---

1. Blue , White = Trans
2. Orange , White = Receive
3. Green , White = D.M.Line from CPH
4. Black , White = D.M.Line from BPRH

CHAMPA

GEVRA

CHAMPA TO BALAPUR SECTION-1



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY: BILASPUR

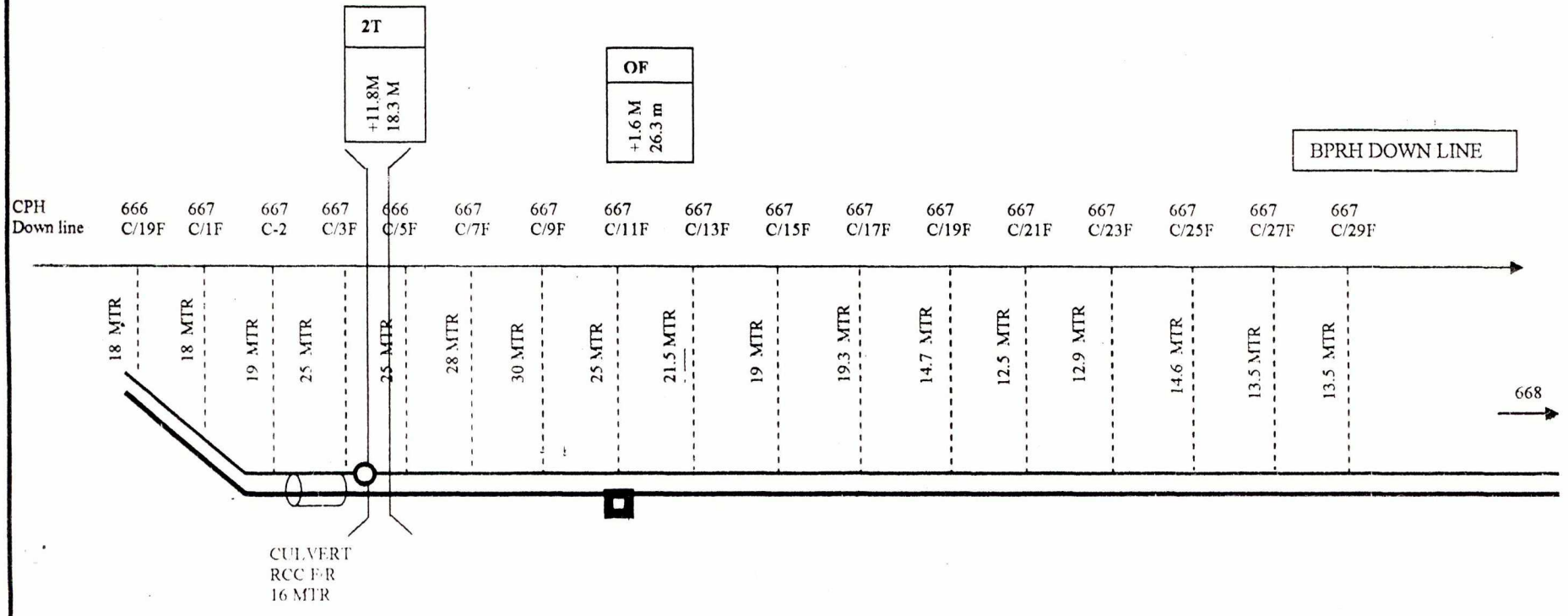
6Q/OFC CABLE ROUTE DIAGRAM
CHAMPA – BALPUR

DRG SHEET NO .2

CHAMPA

GEVRA

CHAMPA TO BALAPUR SECTION-1



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

6Q/OFC CABLE ROUTE DIAGRAM
CHAMPA – BALPUR

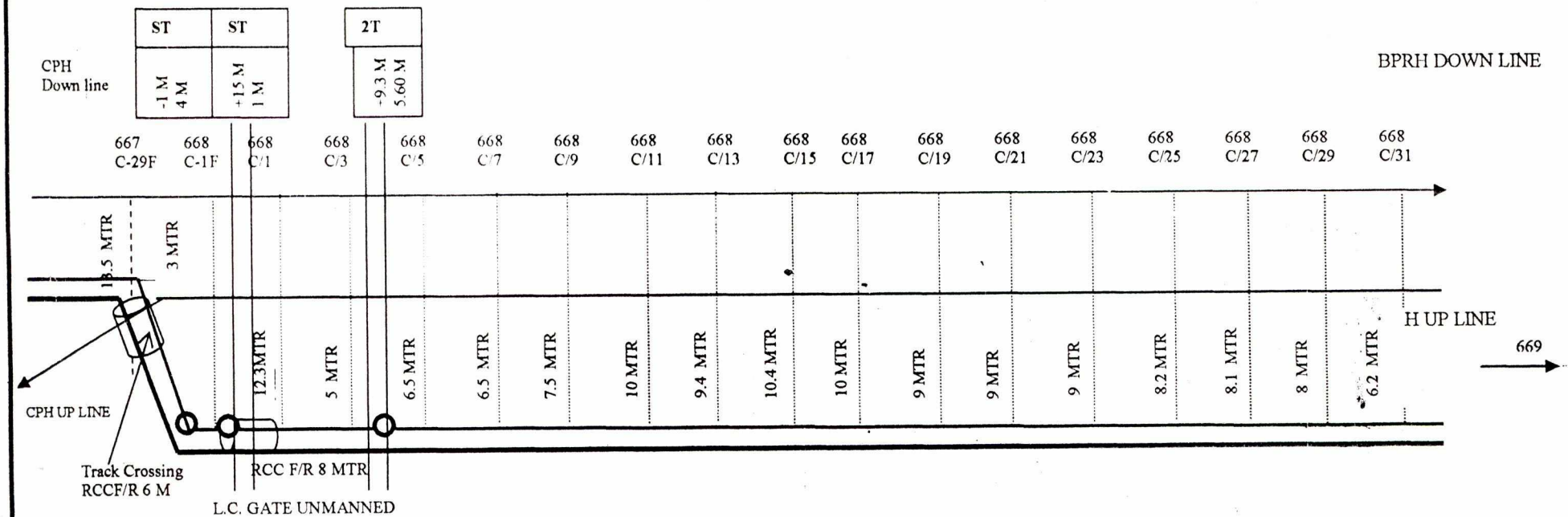
DRG SHEET NO 3

CHAMPA

GEVRA

CHAMPA TO BALAPUR SECTION-1

Track Crossing: 668/C-1 -11.5 M



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

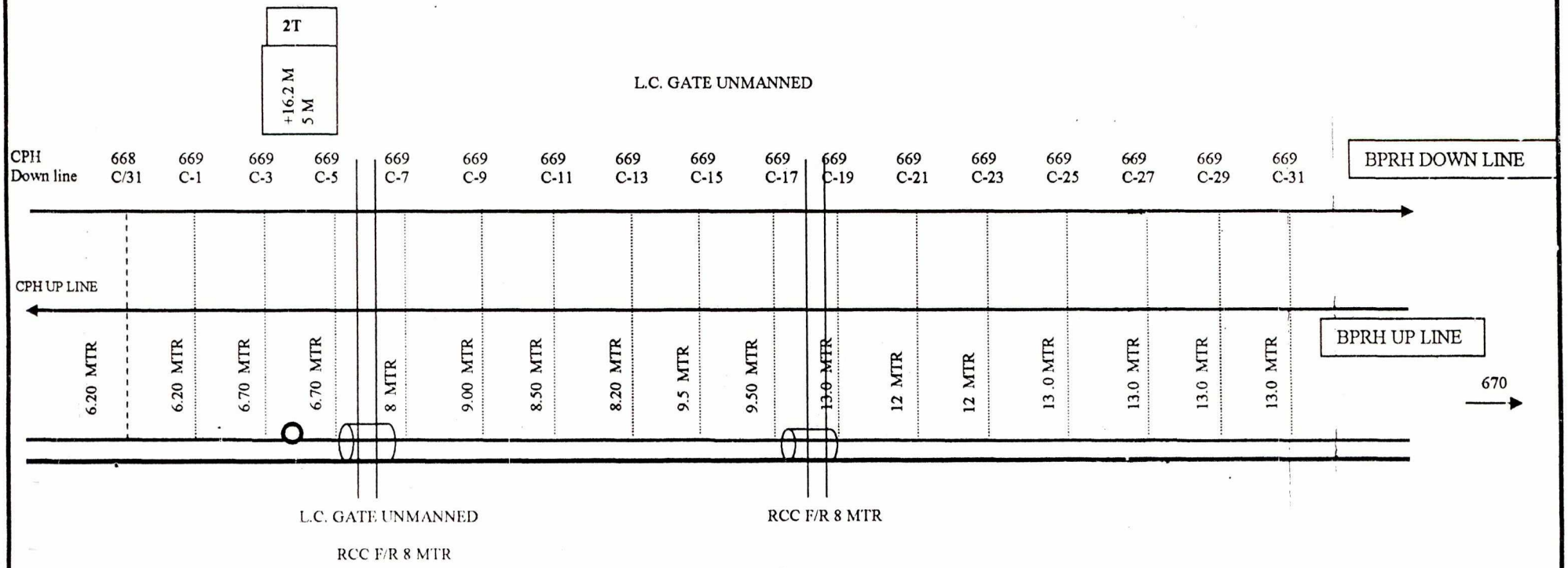
6Q/OFC CABLE ROUTE DIAGRAM
CHAMPA – BALPUR

DRG SHEET NO.4

CHAMPA

GEVRA

CHAMPA TO BALAPUR SECTION-1



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

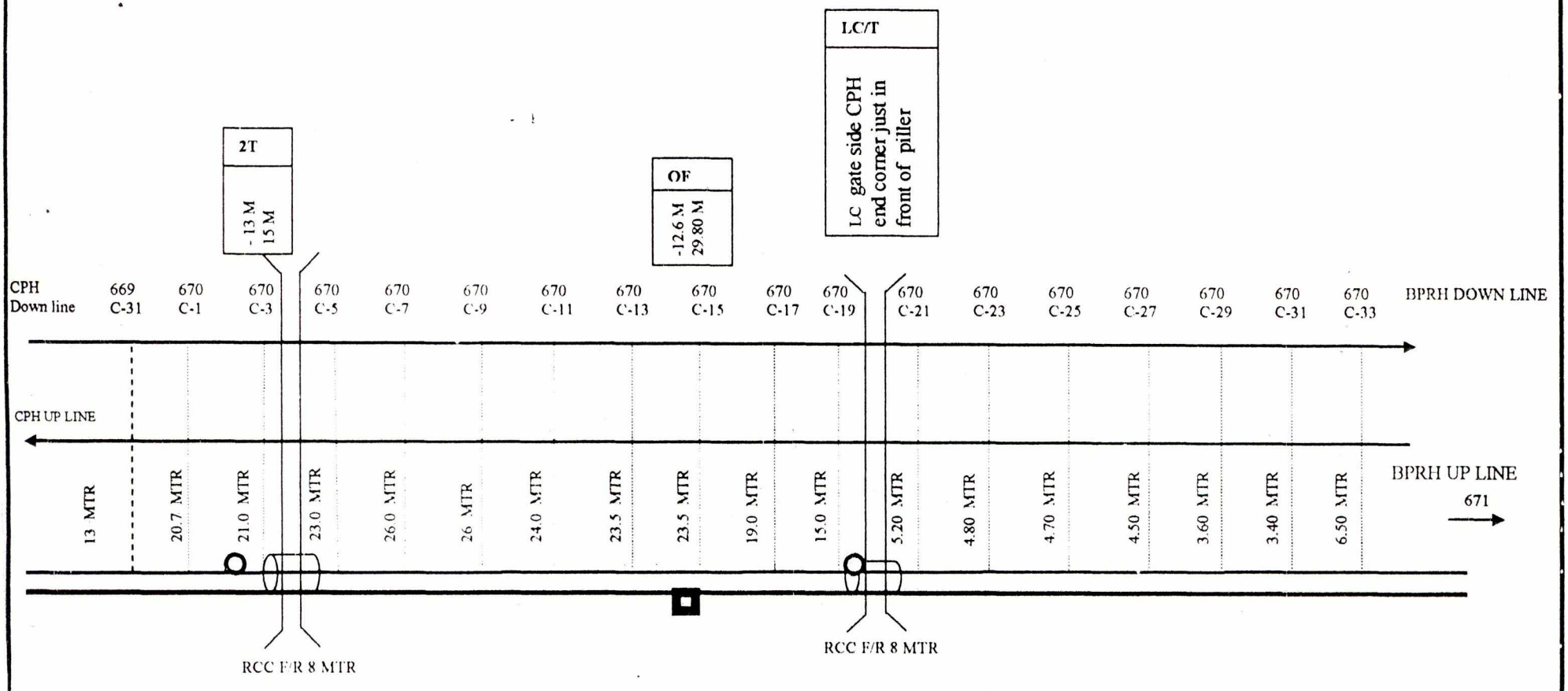
6Q/OFC CABLE ROUTE DIAGRAM
CHAMPA – BALPUR

DRG SHEET NO.5

CHAMPA

GEVRA

CHAMPA TO BALAPUR SECTION-1



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

6Q/OFC CABLE ROUTE DIAGRAM
CHAMPA – BALPUR

DRG SHEET NO.6

CHAMPA

GEVRA

CHAMPA TO BALAPUR SECTION-1

2T	ST	ST
-2.5 MTR 6.2 M	-30 MTR 5.5 M	-28 MTR 5.5 M

L.C. GATE UNMANNED

CPH	670	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671
Down line	C-33	C-1	C-3	C-5	C-7	C-9	C-11	C-13	C-15	C-17	C-19	C-21	C-23	C-25	C-27	C-29

BPRH DOWN LINE

CPH UP LINE

BPRH UP LINE

672

6.5 MTR	6.0 MTR	6.20 MTR	13.7 MTR	15.6 MTR	15.5 MTR	15.5 MTR	12.6 MTR	11.2 MTR	9.70 MTR	10.3 MTR	8.80 MTR	10.0 MTR	8.60 MTR	8.50 MTR	6.50 MTR

RCC F/R 8 MTR

SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

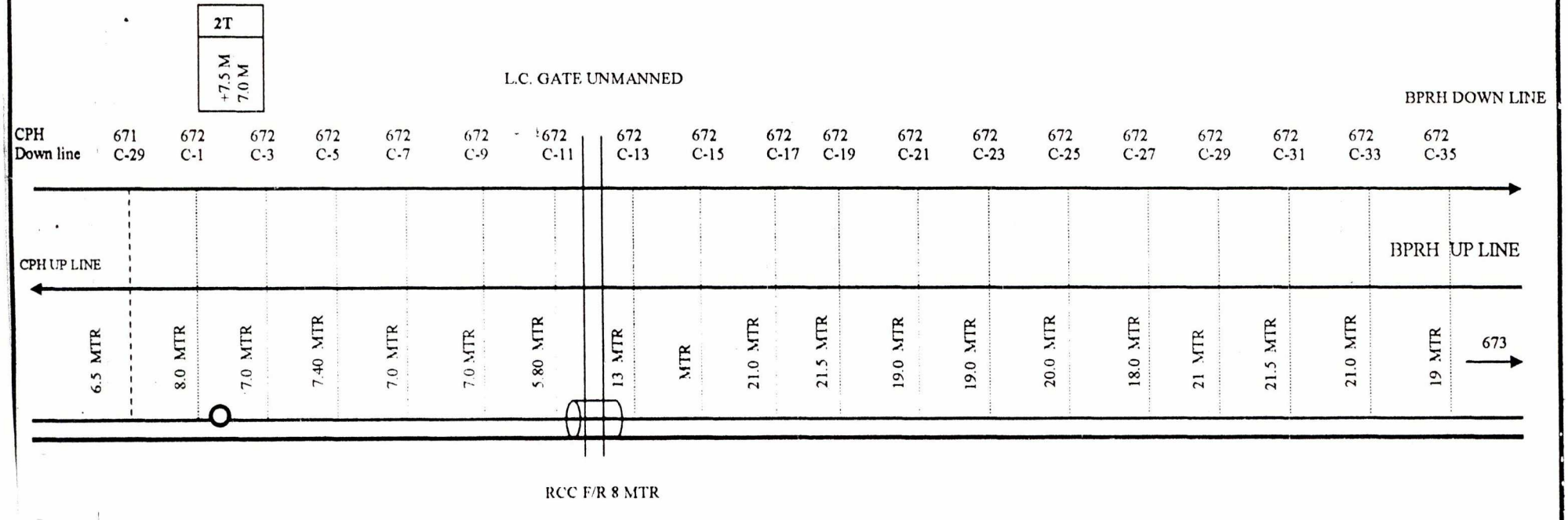
6Q/OFC CABLE ROUTE DIAGRAM
CHAMPA – BALPUR

DRG SHEET NO. 7

CHAMPA

GEVRA

CHAMPA TO BALAPUR SECTION-1



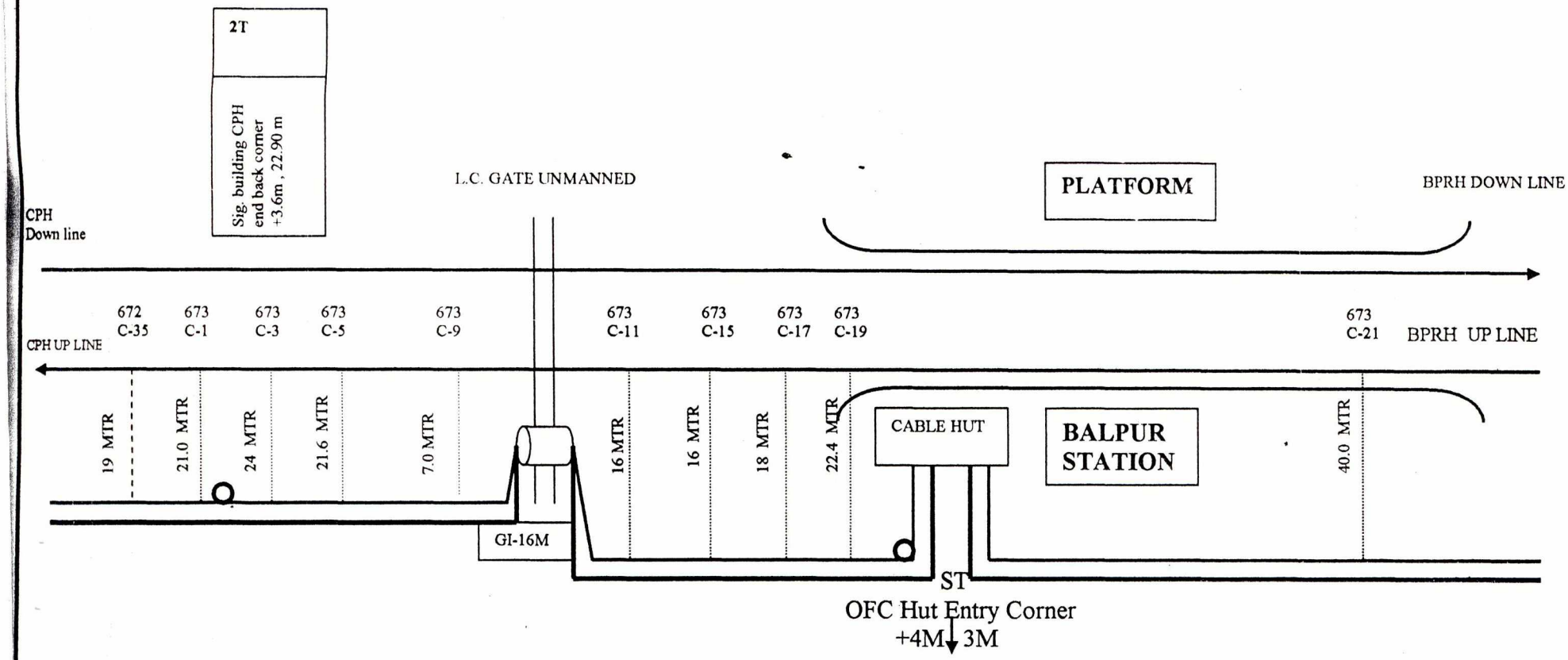
SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR
6Q/OFC CABLE ROUTE DIAGRAM **CHAMPA – BALPUR**
DRG SHEET NO. 8

CHAMPA

GEVRA

CHAMPA TO BALAPUR SECTION-1



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

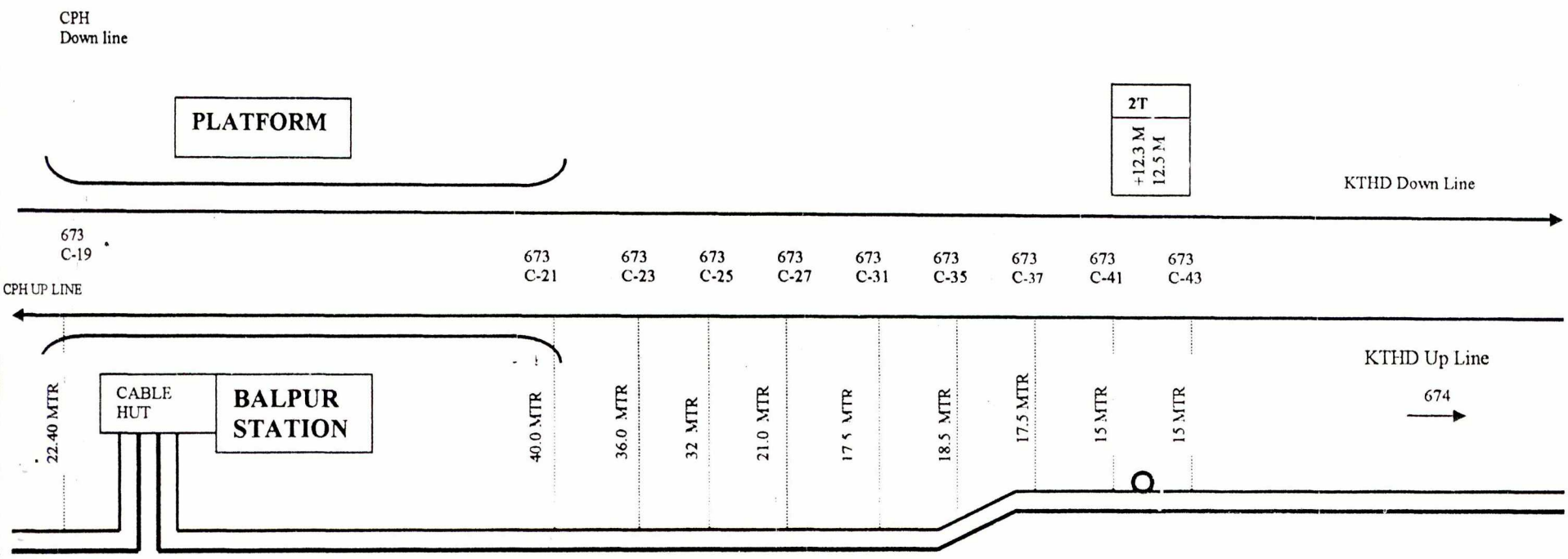
6Q/OFC CABLE ROUTE DIAGRAM
CHAMPA – BALPUR

DRG SHEET NO. 9

CHAMPA

BALAPUR – KOTHARI SECTION-II

GEVRA



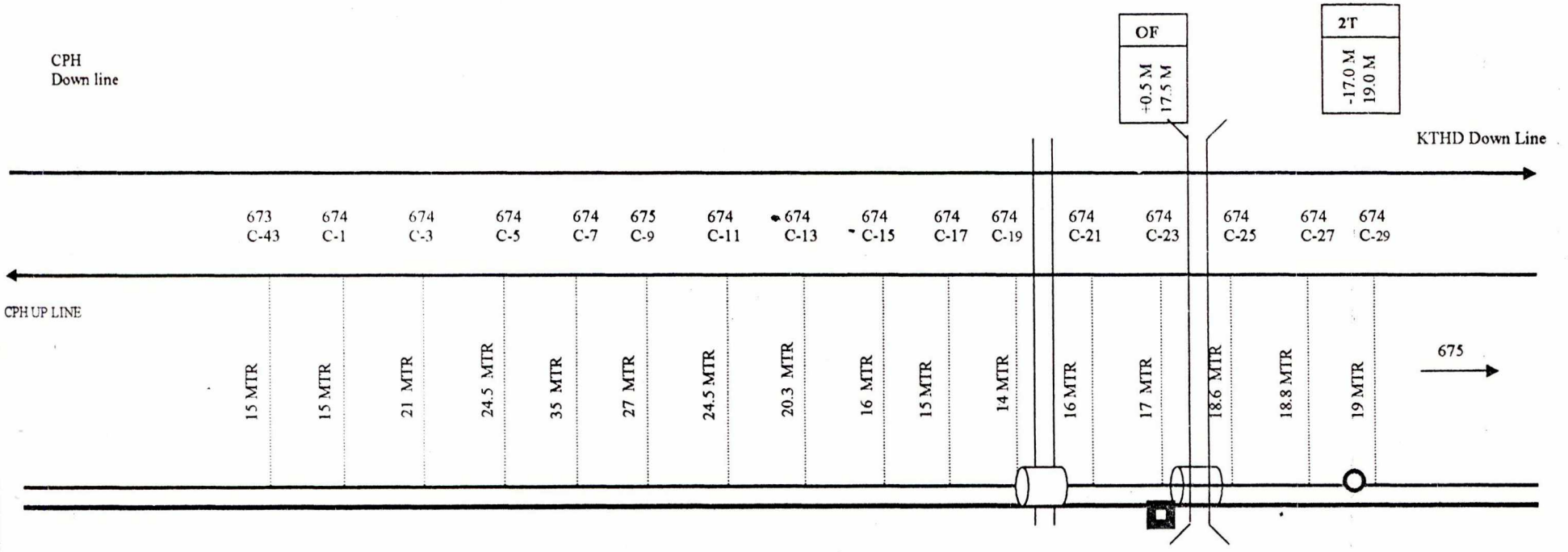
SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR
6Q/OFC CABLE ROUTE DIAGRAM BPRH –KTHD
DRG SHEET NO. 10

CHAMPA

GEVRA

BALAPUR – KOTHARI SECTION-II



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

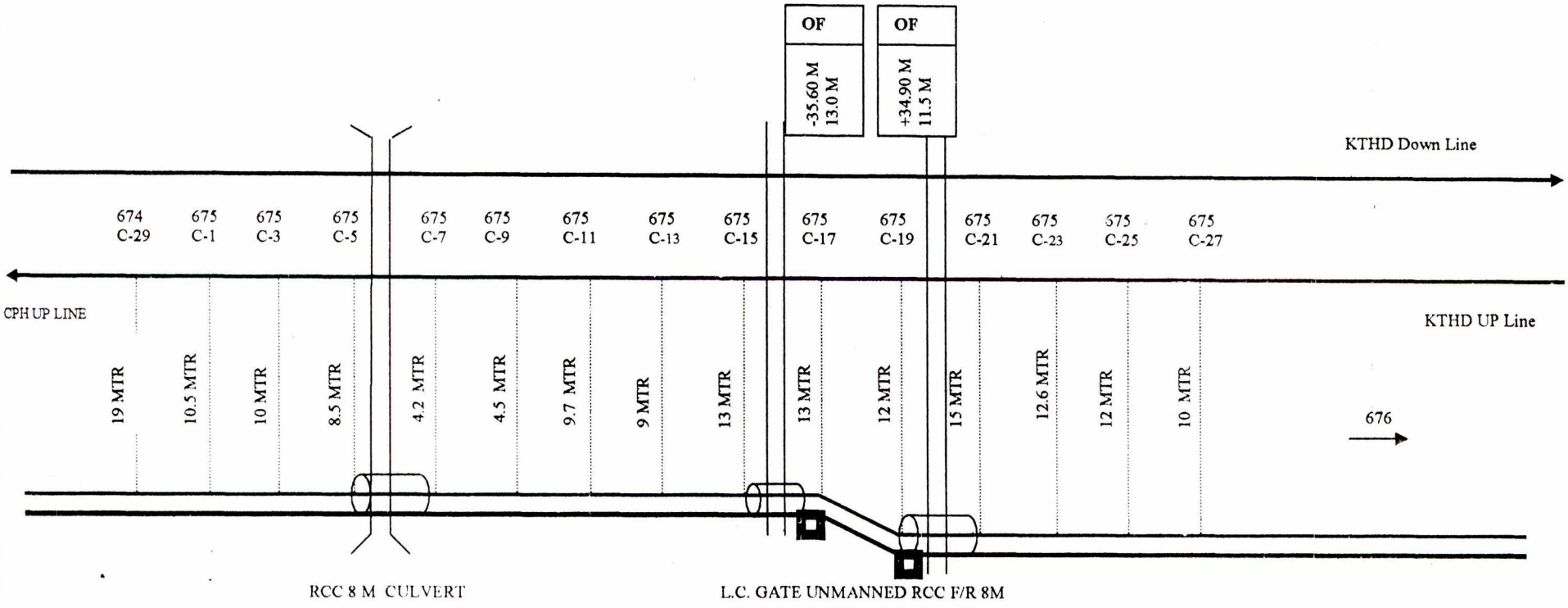
6Q/OFC CABLE ROUTE DIAGRAM
BPRH –KTHD

DRG SHEET NO.11

CHAMPA

GEVRA

BALAPUR – KOTHARI SECTION-II



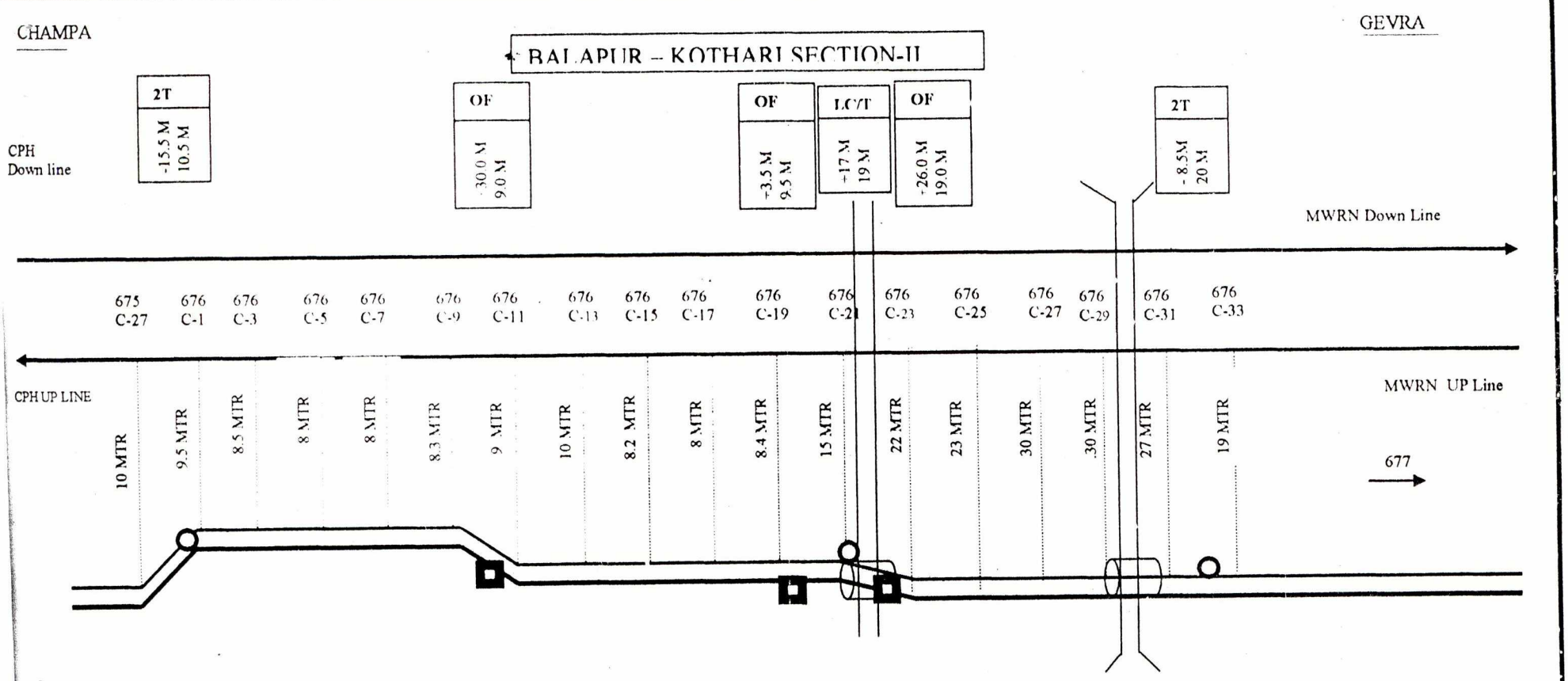
SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR
6Q/OFC CABLE ROUTE DIAGRAM BPRH – KTHD
DRG SHEET NO.12

CHAMPA

GEVRA

BALAPUR – KOTHARI SECTION-II

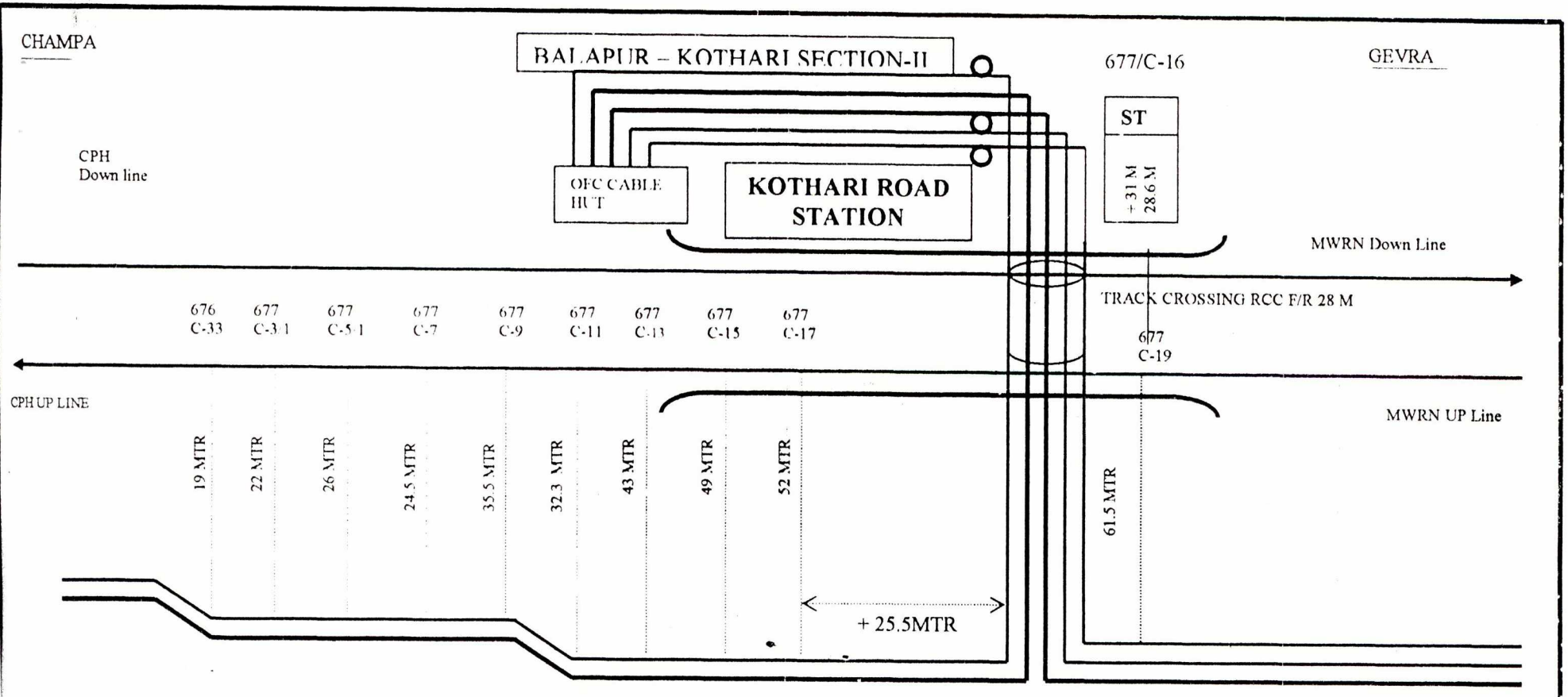


SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

6Q/OFC CABLE ROUTE DIAGRAM
BPRH –KTHD

DRG SHEET NO.13



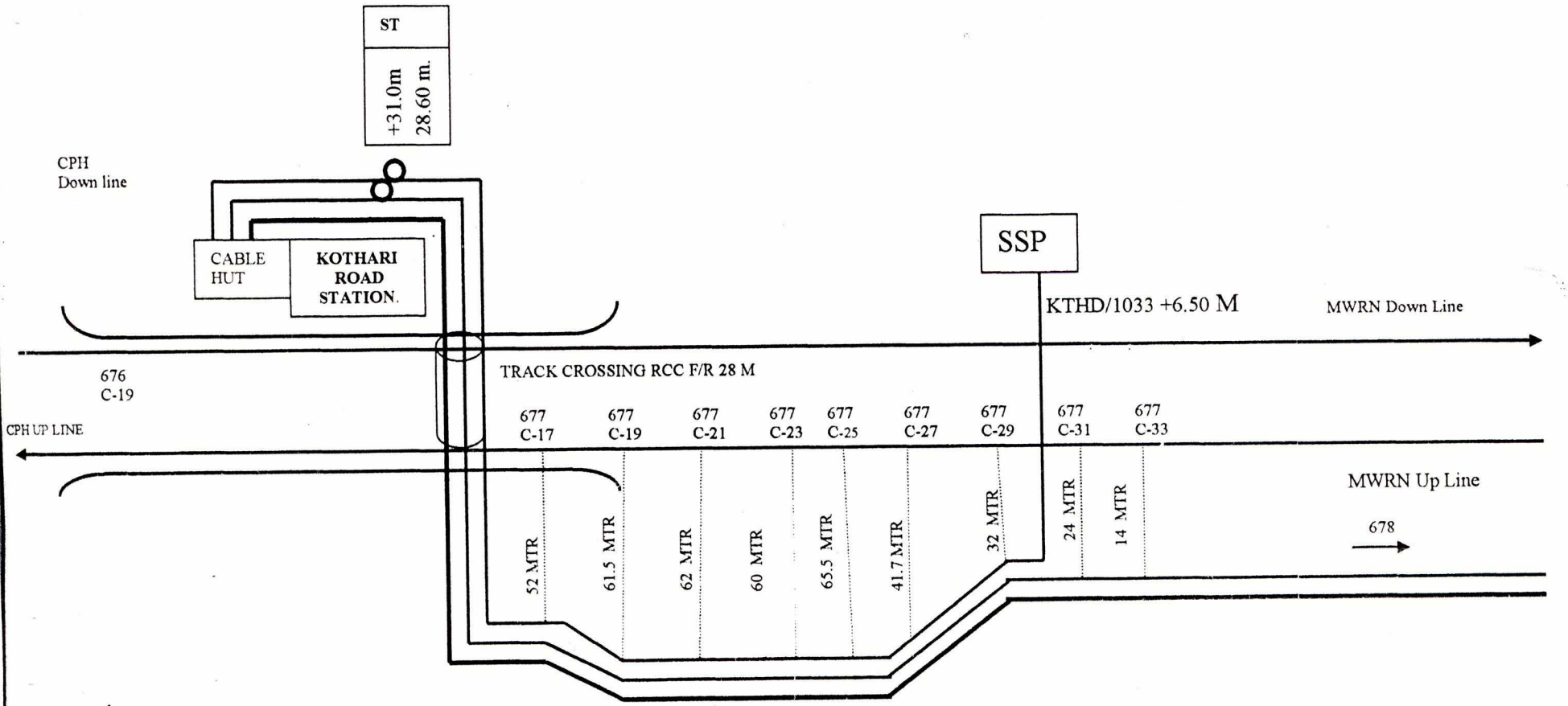
SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR
6Q/OFC CABLE ROUTE DIAGRAM BPRH –KTHD
DRG SHEET NO.14

CHAMPA

GEVRA

KOTHARI ROAD -MADWARANI SECTION-III



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

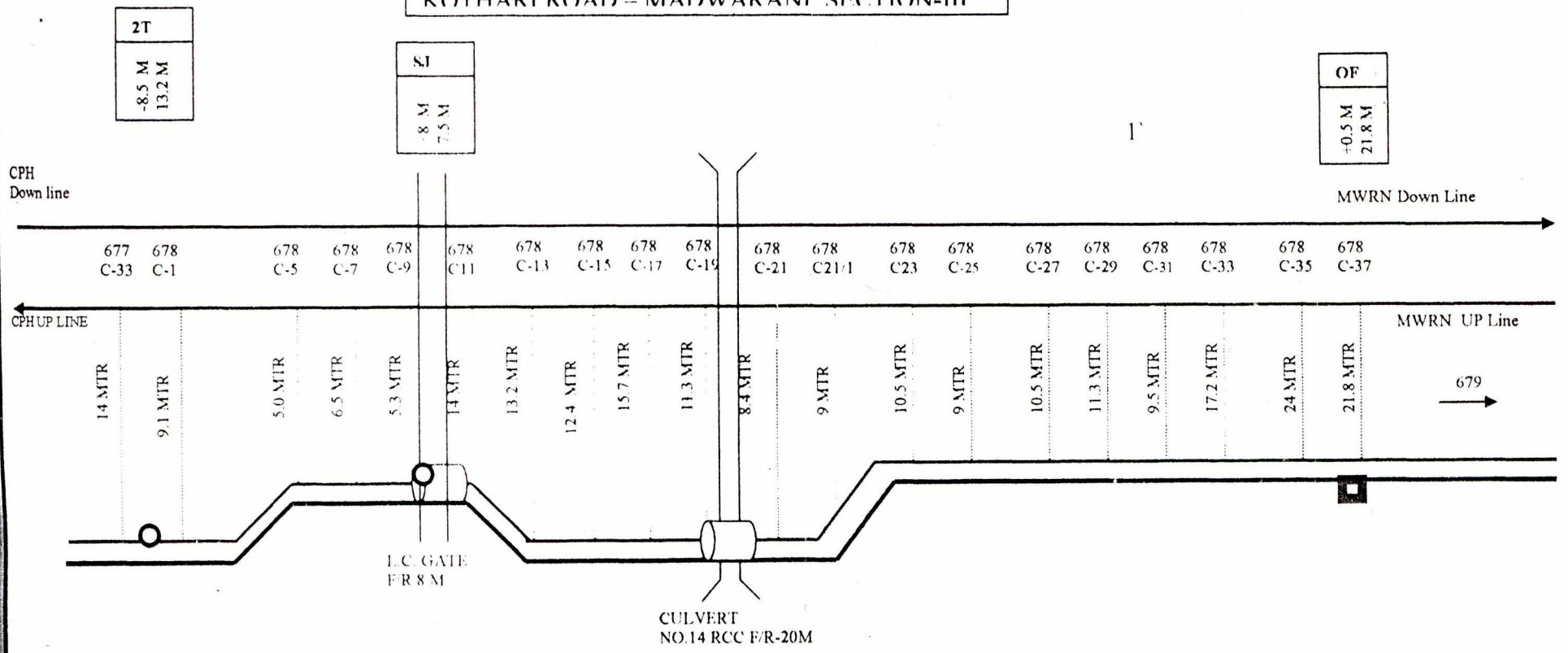
6Q/OFC CABLE ROUTE DIAGRAM
KTHD – MWRN

DRG SHEET NO.15

CHAMPA

GEVRA

KOTHARI ROAD – MADWARANI SECTION-III



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

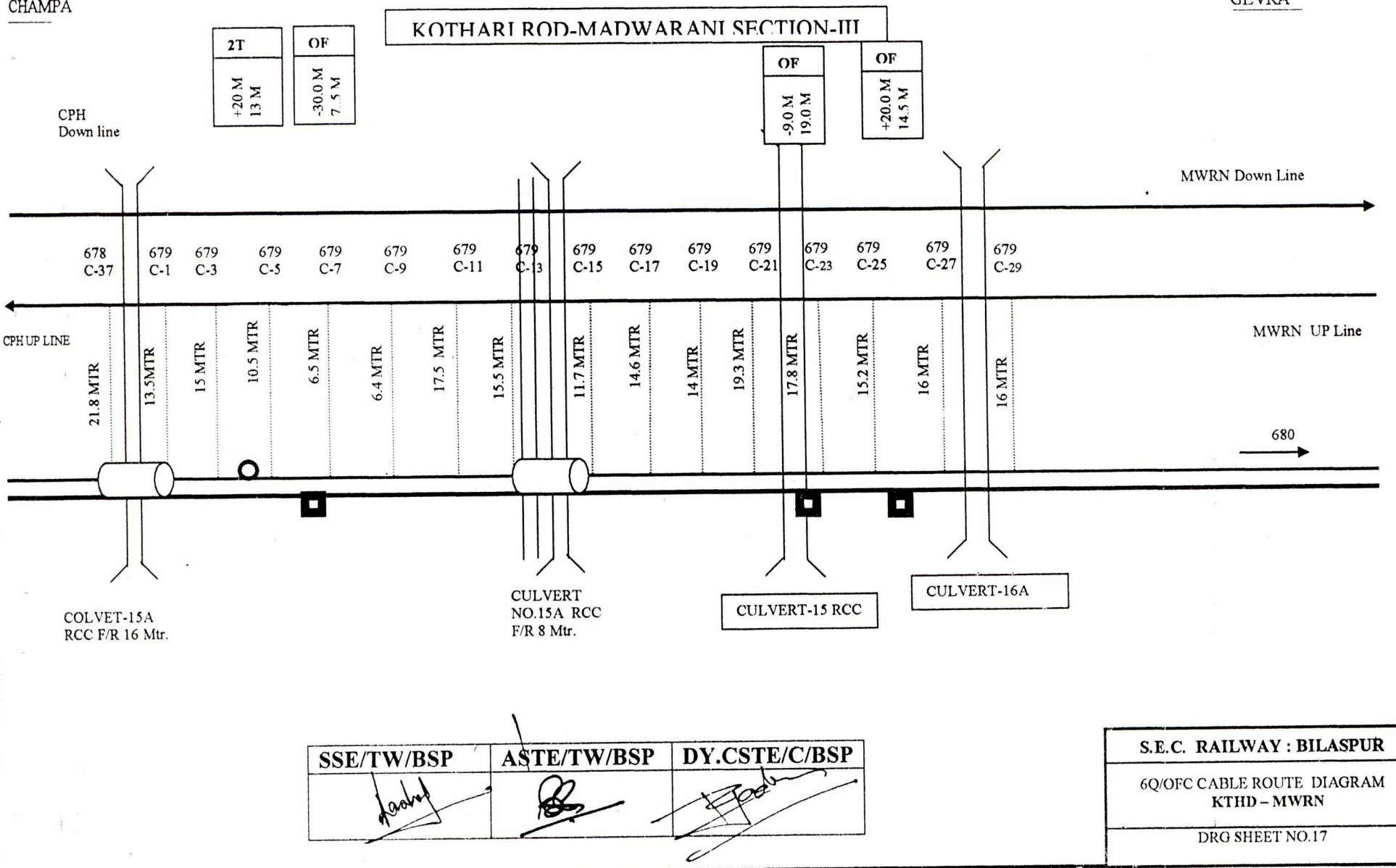
6Q/OFC CABLE ROUTE DIAGRAM
KTHD – MWRN

DRG SHEET NO.16

CHAMPA

GEVRA

KOTHARI ROD-MADWARANI SECTION-III



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

6Q/OFC CABLE ROUTE DIAGRAM
KTHD – MWRN

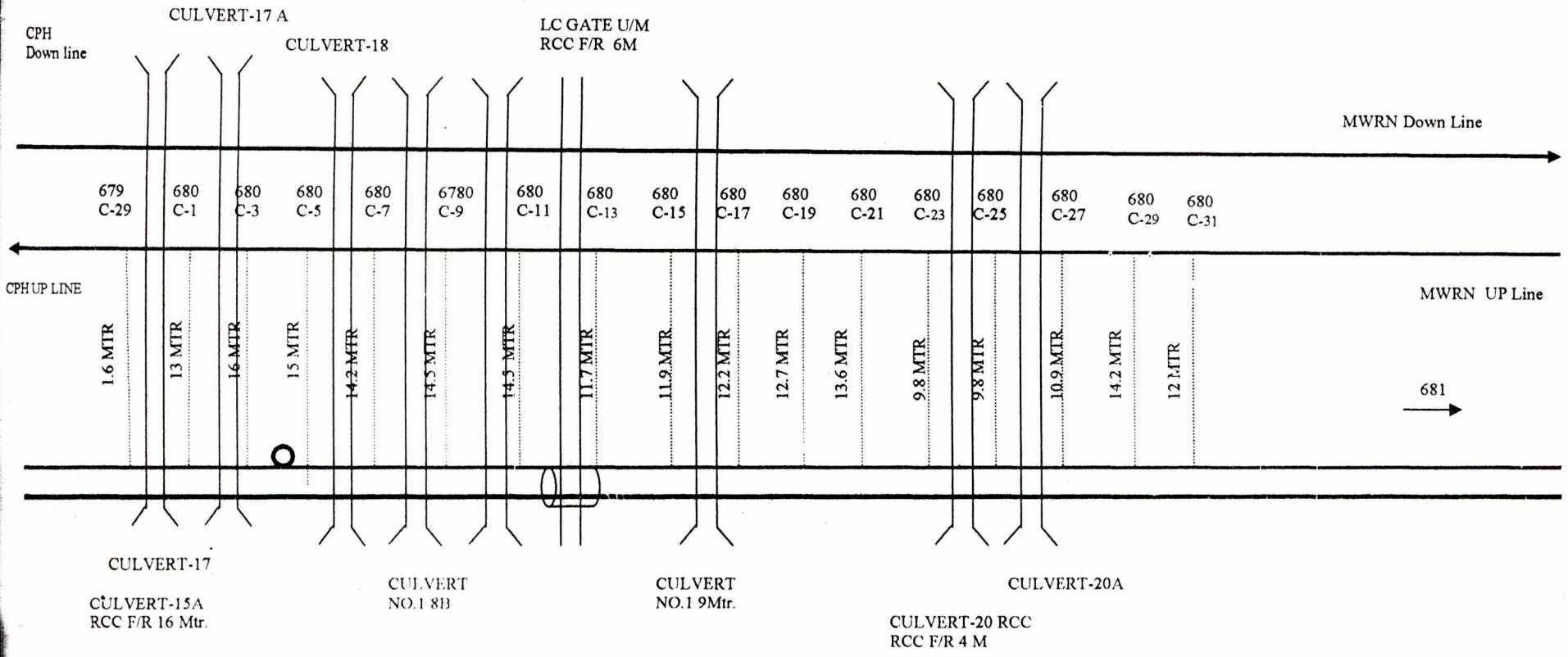
DRG SHEET NO.17

CHAMPA

2T
- 34 M 15.5 M

KOTHARI ROAD-MADWARANI SECTION-III

GEVRA



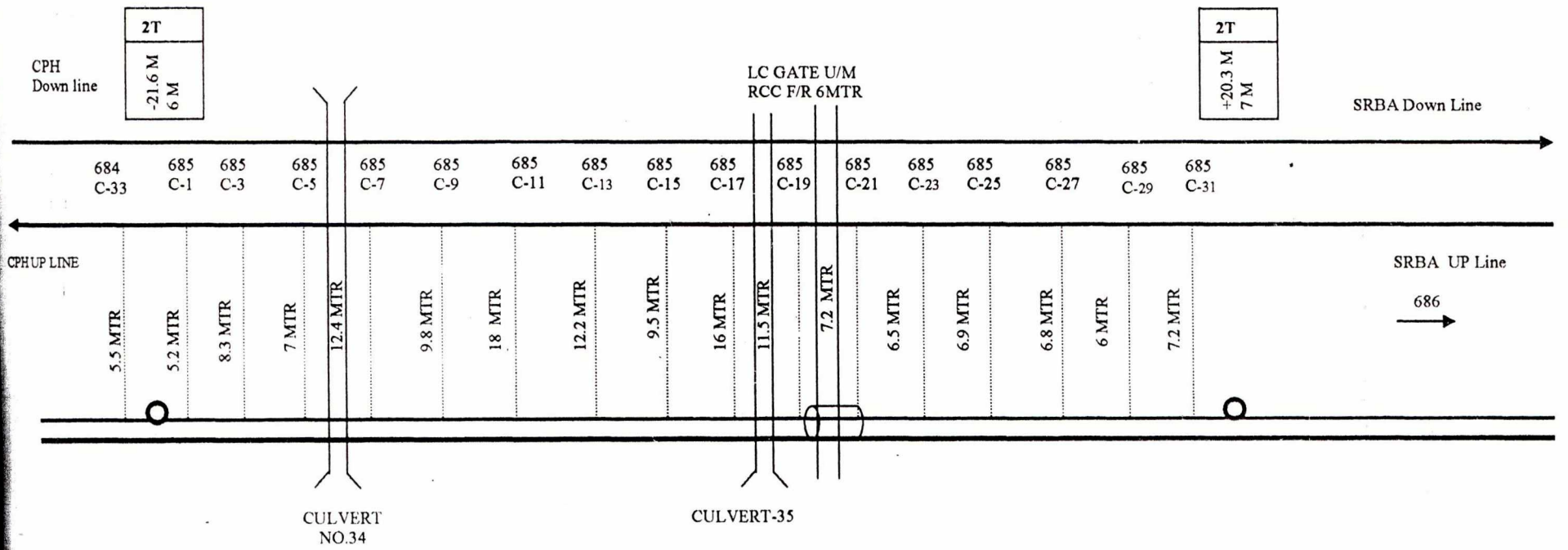
SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR
6Q/OFC CABLE ROUTE DIAGRAM KTHD – MWRN
DRG SHEET NO.18

CHAMPA

GEVRA

MADWARANI - SARAGBUNDIA SECTION-IV



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

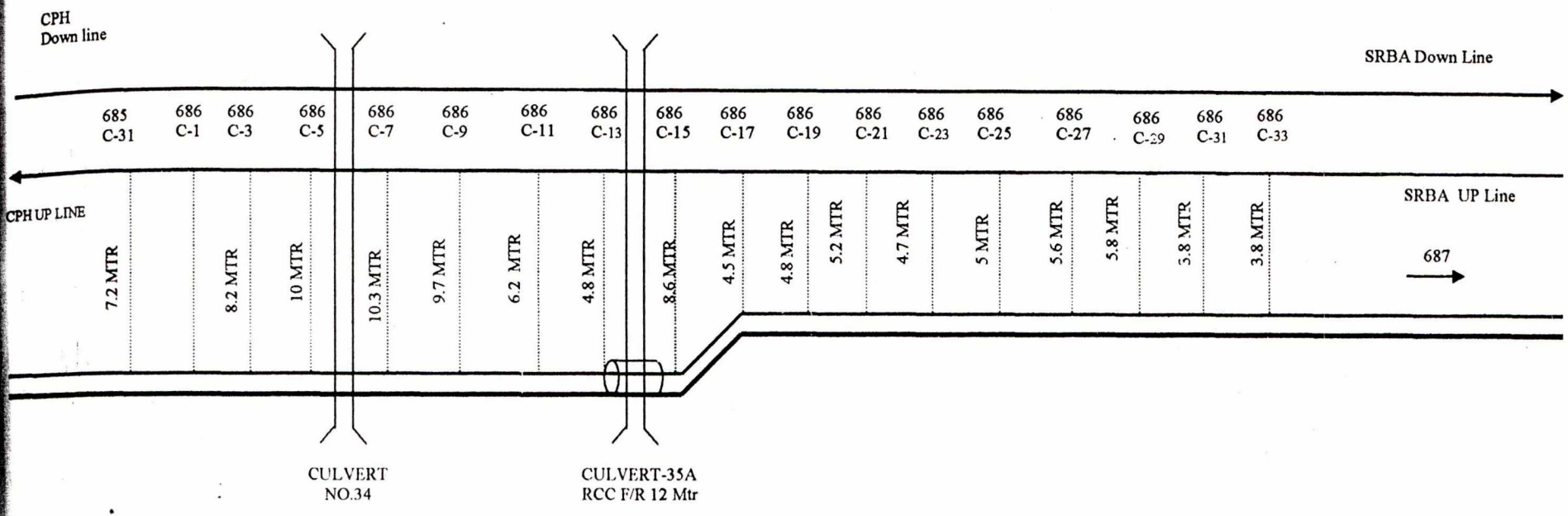
6Q/OFC CABLE ROUTE DIAGRAM
MWRN – SRBA

DRG SHEET NO.23

CHAMPA

GEVRA

MADWARANI -SARAGBUNDIA SECTION-IV

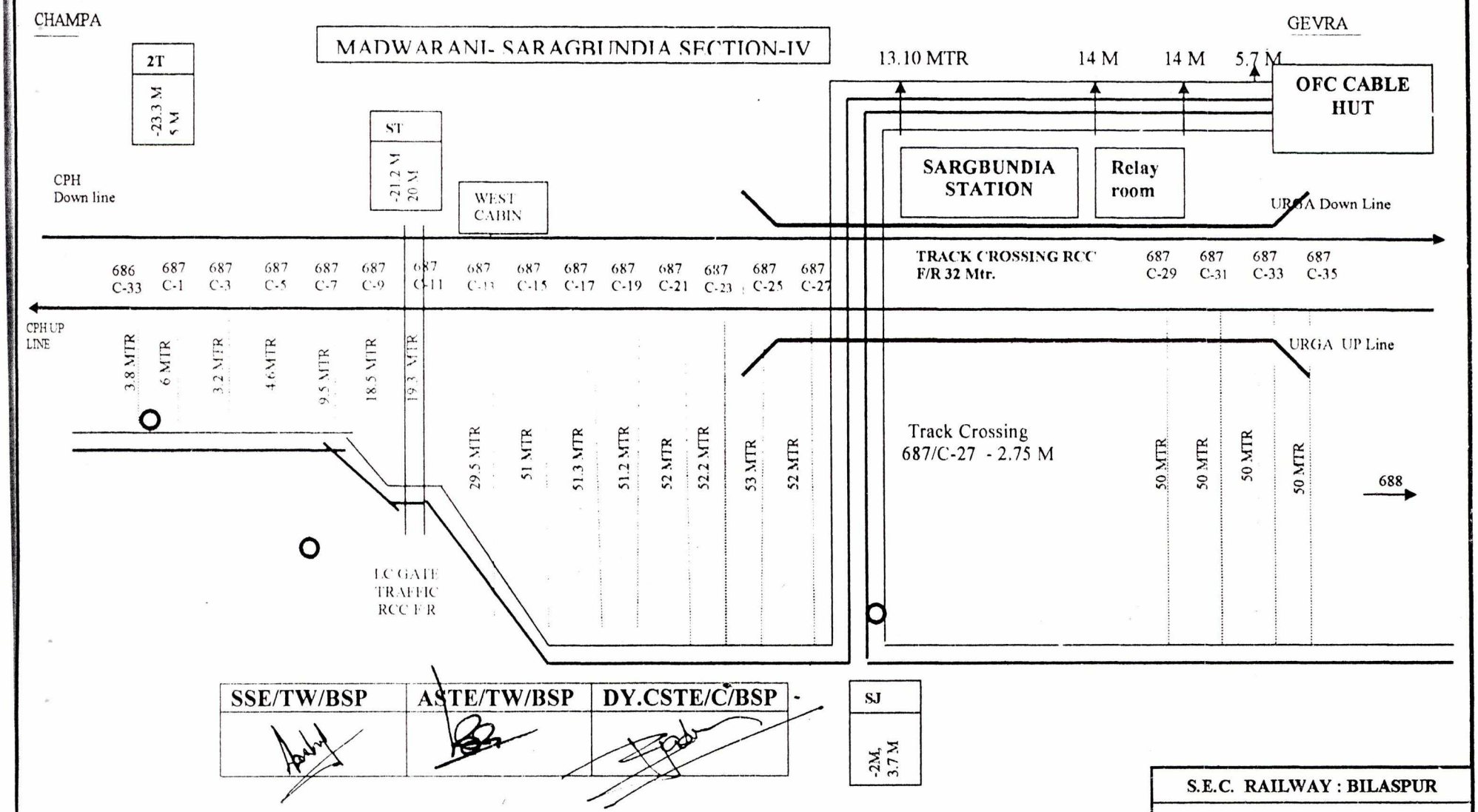


SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

6Q/OFC CABLE ROUTE DIAGRAM
MWRN – SRBA

DRG SHEET NO.24



S.E.C. RAILWAY : BILASPUR

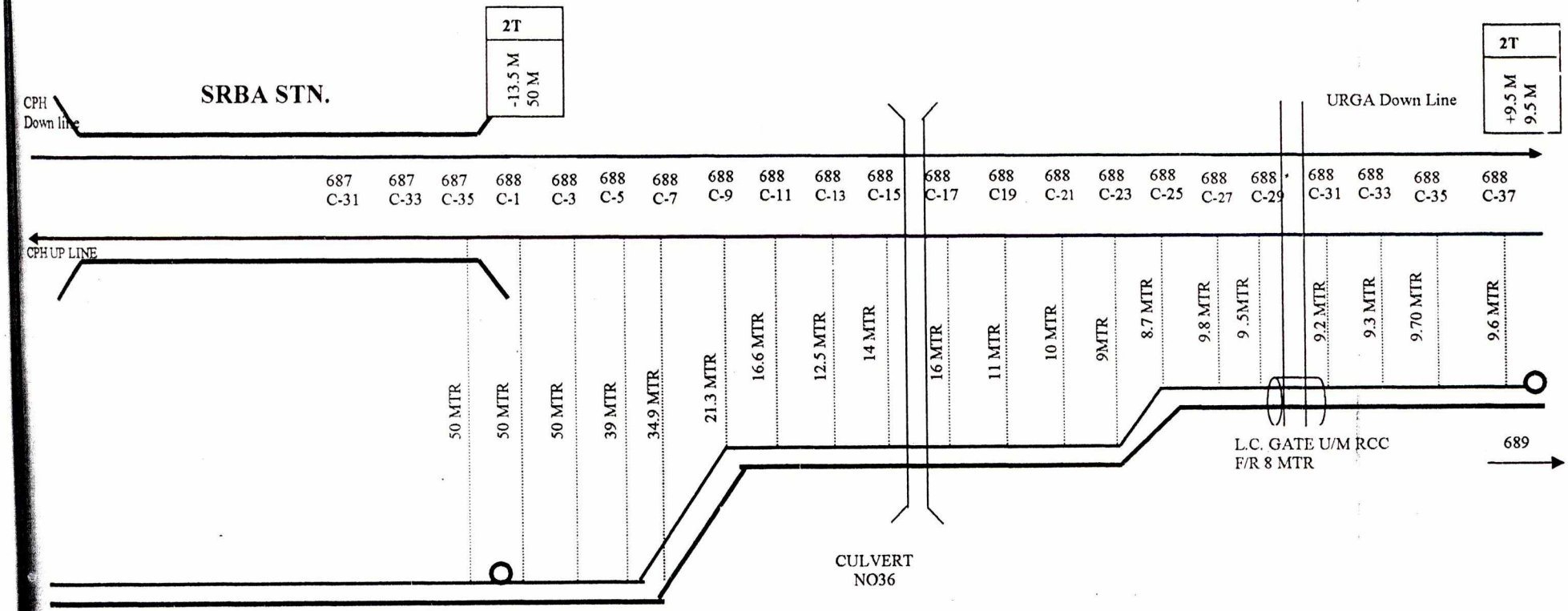
6Q/OFC CABLE ROUTE DIAGRAM
MWRN – SRBA

DRG SHEET NO.25

CHAMPA

GEVRA

SARAGBUNDIA –URGA SECTION-V



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

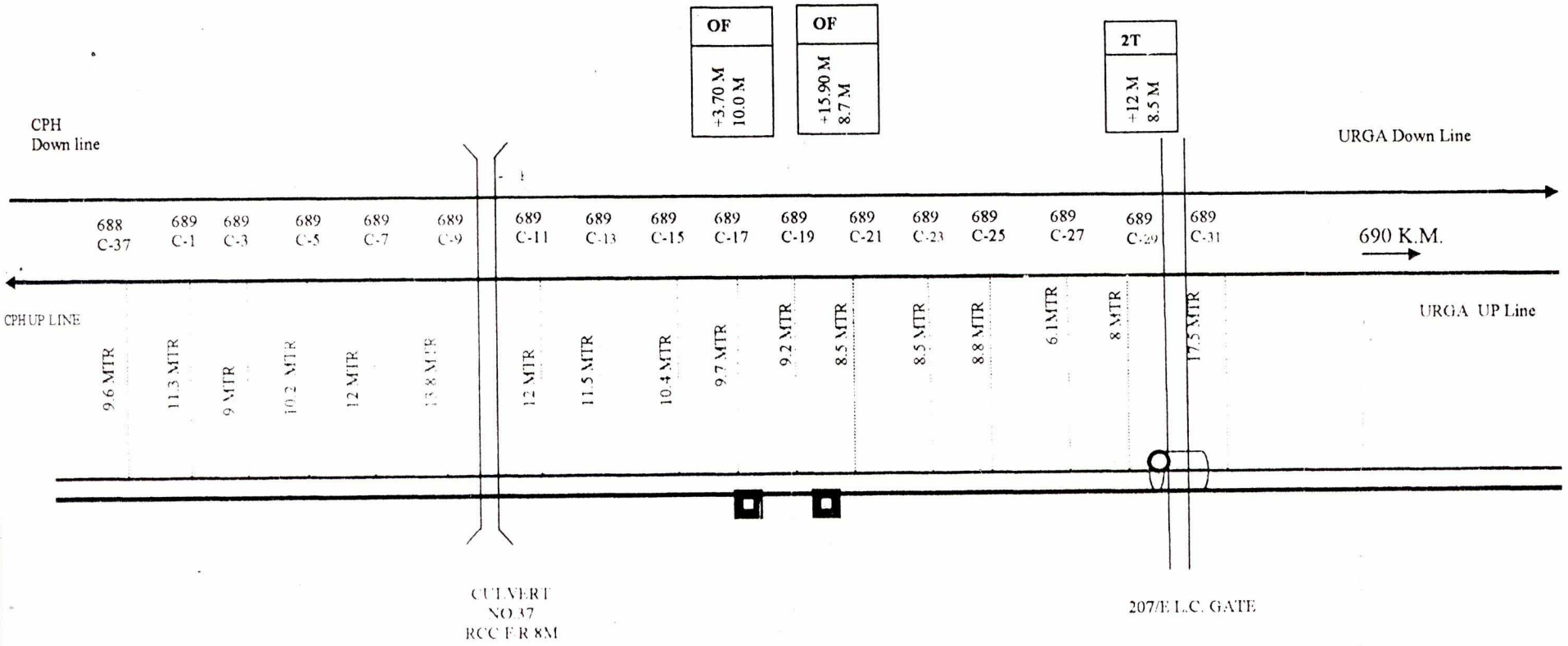
6Q/OFC CABLE ROUTE DIAGRAM
SRBA –URGA

DRG SHEET NO 26

CHAMPA

GEVRA

SARAGBUNDIA- URGA SECTION-V



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

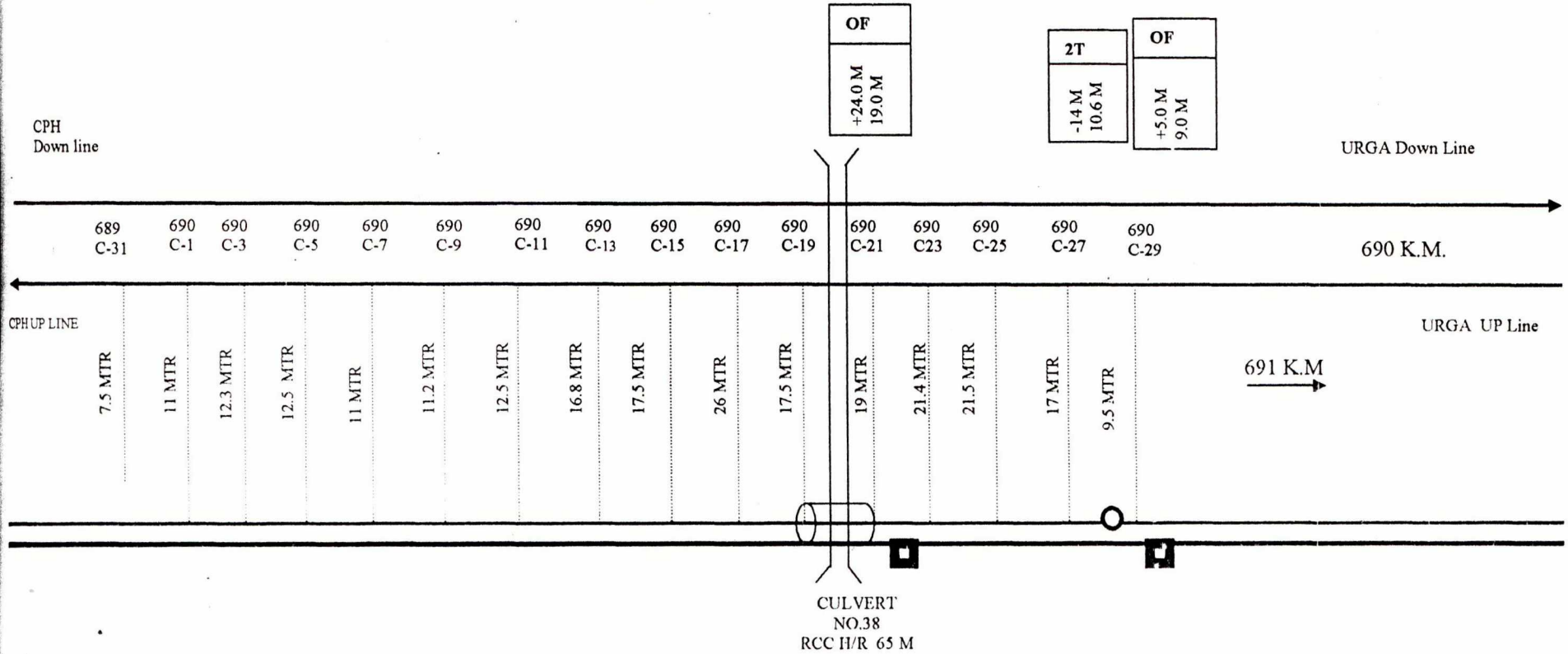
6Q/OFC CABLE ROUTE DIAGRAM
SRBA –URGA

DRG SHEET NO.27

CHAMPA

GEVRA

SARAGBUNDIA- URGA SECTION-V



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

6Q/OFC CABLE ROUTE DIAGRAM
SRBA –URGA

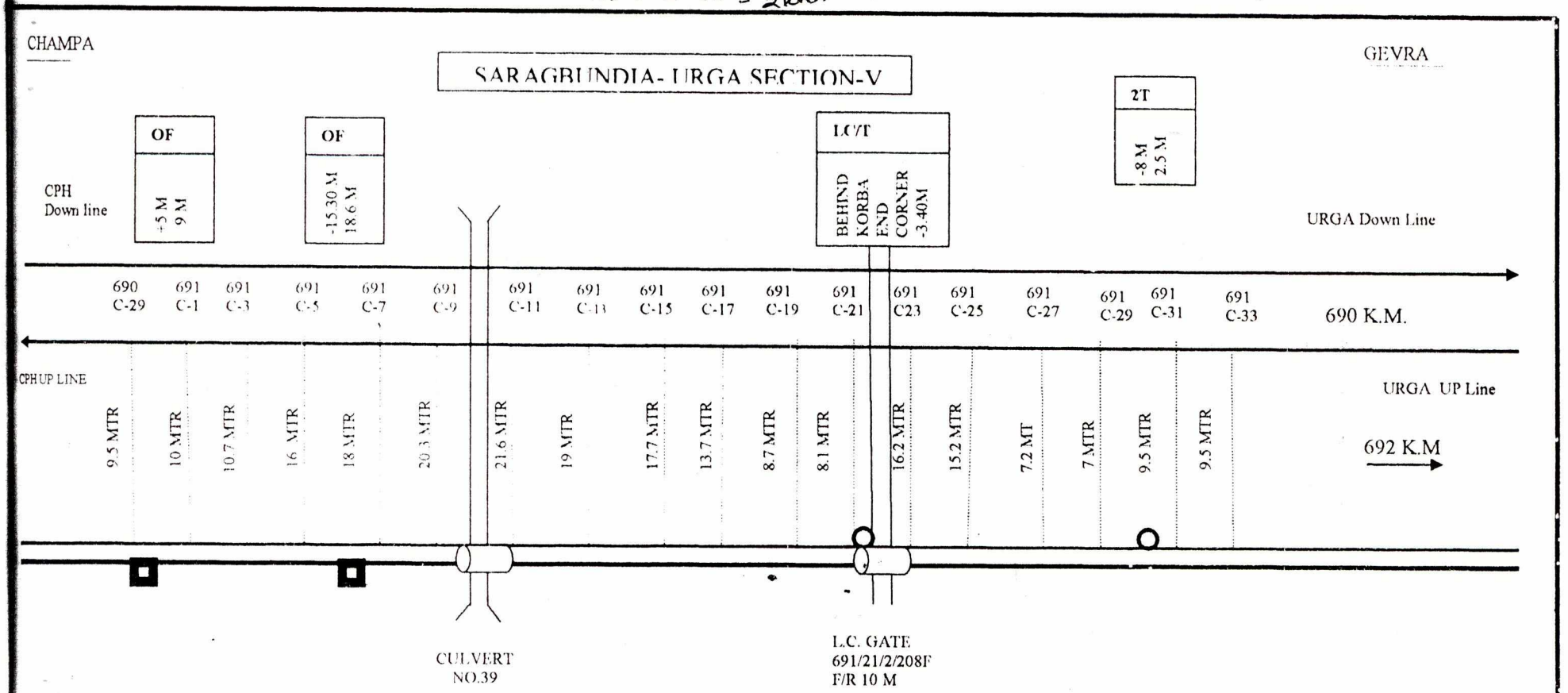
DRG SHEET NO.28

X gate

(i) 689/C-29 (ii) 691/C-23

From Lanco → 1200 mtr. 700 mtr.

From SRBA - 2km.



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

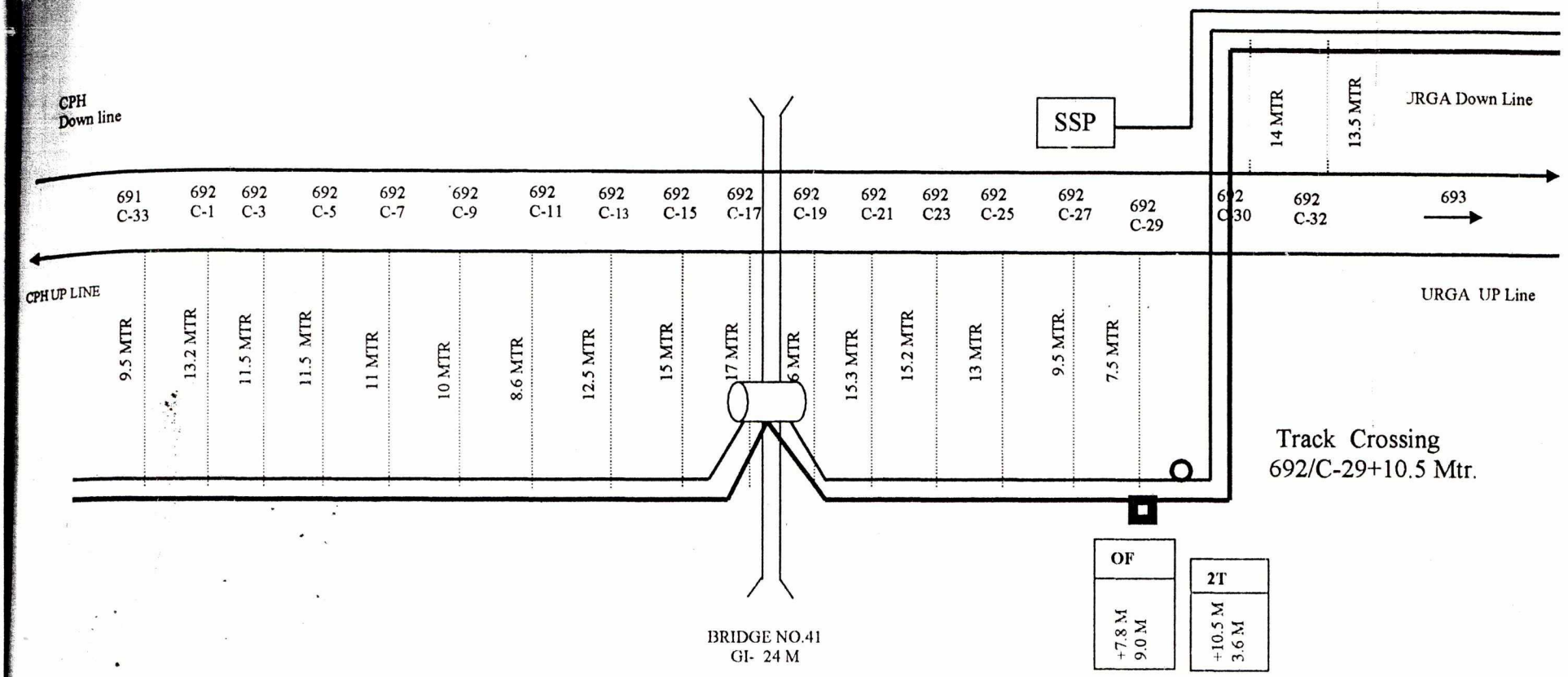
6Q/OFC CABLE ROUTE DIAGRAM
SRBA –URGA

DRG SHEET NO.29

CHAMPA

GEVRA

SARAGBUNDIA-URGA SECTION-V

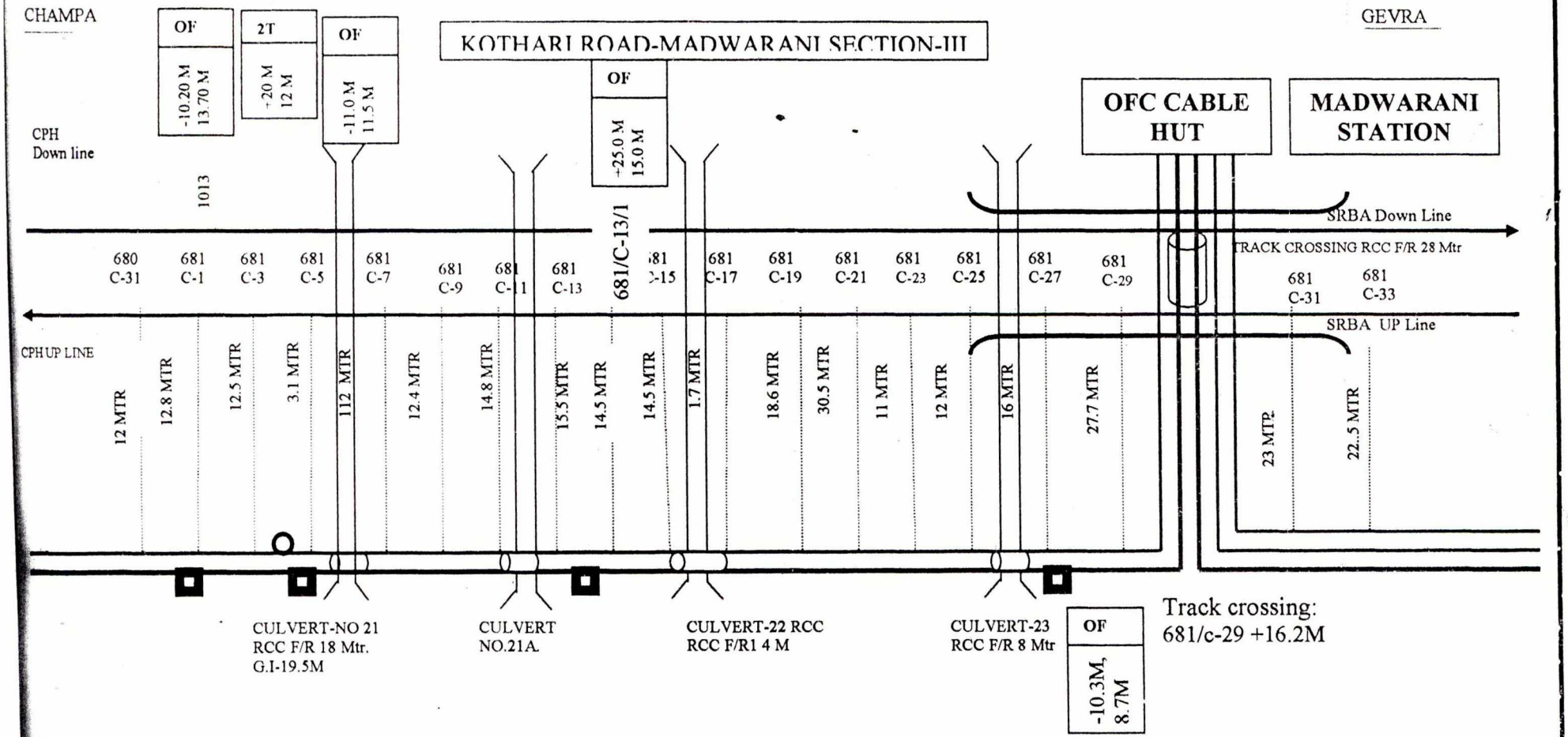


SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

6Q/OFC CABLE ROUTE DIAGRAM
SRBA –URGA

DRG SHEET NO.30



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

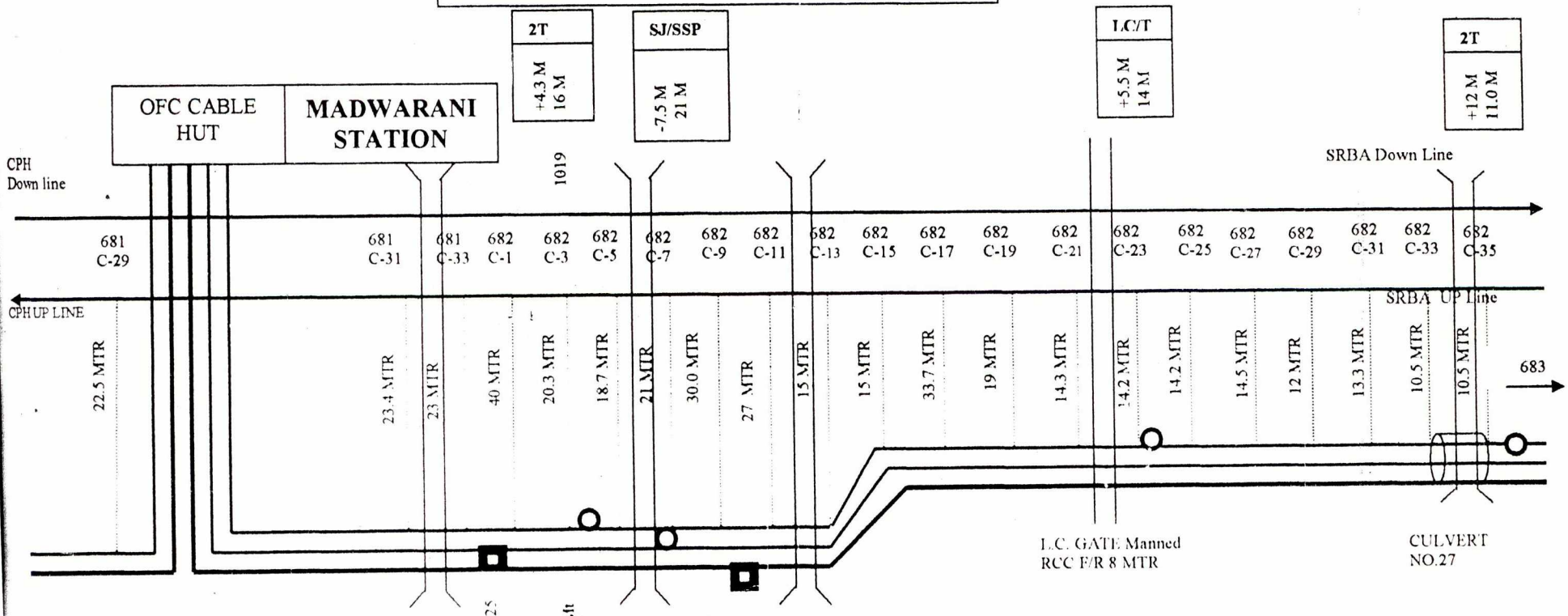
6Q/OFC CABLE ROUTE DIAGRAM
KTHD – MWRN

DRG SHEET NO.19

CHAMPA

GEVRA

MADWARANI –SARAGBUNDIA SECTION-IV



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

6Q/OFC CABLE ROUTE DIAGRAM
MWRN – SRBA

DRG SHEET NO.20

CHAMPA

GEVRA

MADWARANI- SARA GRUNDIA SECTION-IV

ST/SSP

-20.4 M
13.3 M

SSP Track Crossing
683/C-5 - 14 M

CPH
Down line

SSP

SRBA Down Line

682 C-35 | 683 C-1 | 683 C-3 | 683 C-5 | 683 C-7 | 683 C-9 | 683 C-11 | 683 C-13 | 683 C-15 | 683 C-17 | 683 C-19 | 683 C-21 | 683 C-23 | 683 C-25 | 683 C-27 | 683 C-29 | 683 C-31

CPH UP LINE

SRBA UP Line

10.5 MTR | 13 MTR | 12 MTR | 13 MTR | 14.5 MTR | 14.3 MTR | 15.5 MTR | 17.3 MTR | 17 MTR | 16.3 MTR | 16.2 MTR | 15 MTR | 16.2 MTR | 15.4 MTR | 16.4 MTR | 8.3 MTR | 9 MTR

684

Track Crossing
683/C-5 – 14 MTR

CULVERT NO.28

CULVERT-28A

CULVERT-29

SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

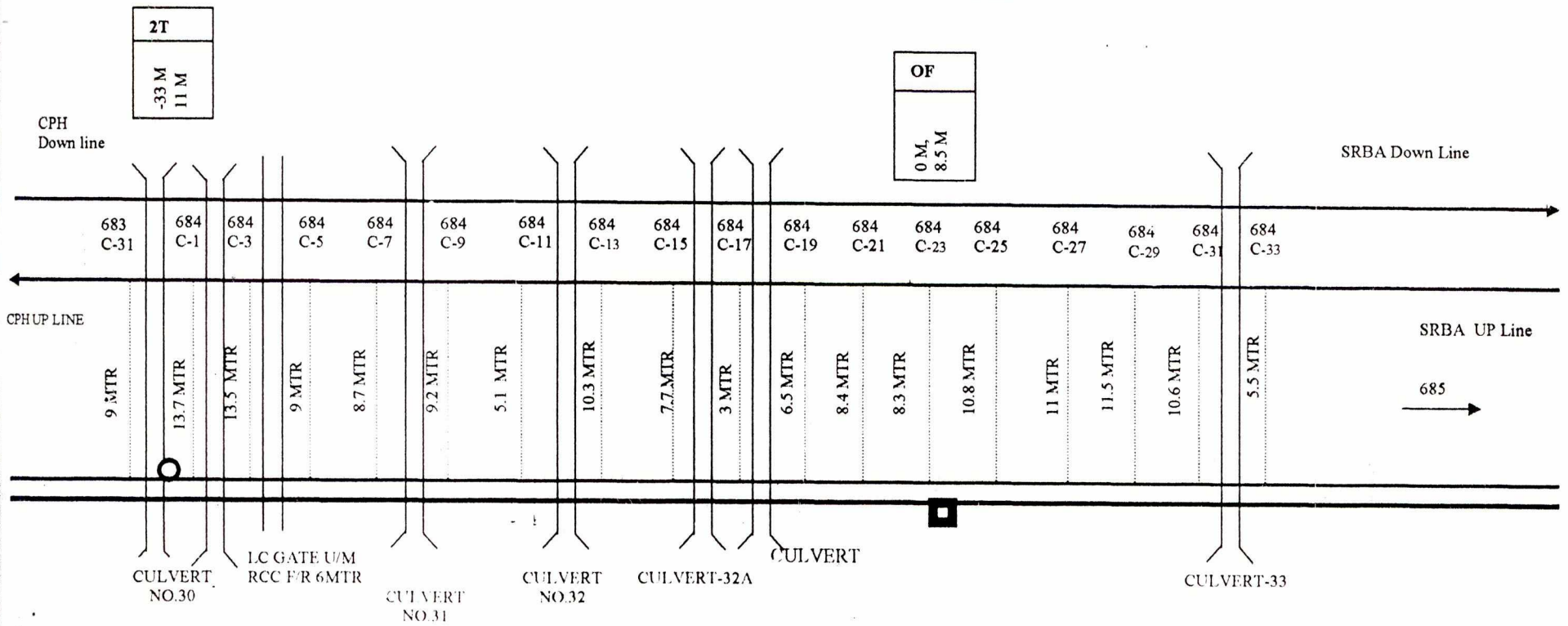
6Q/OFC CABLE ROUTE DIAGRAM
MWRN – SRBA

DRG SHEET NO.21

CHAMPA

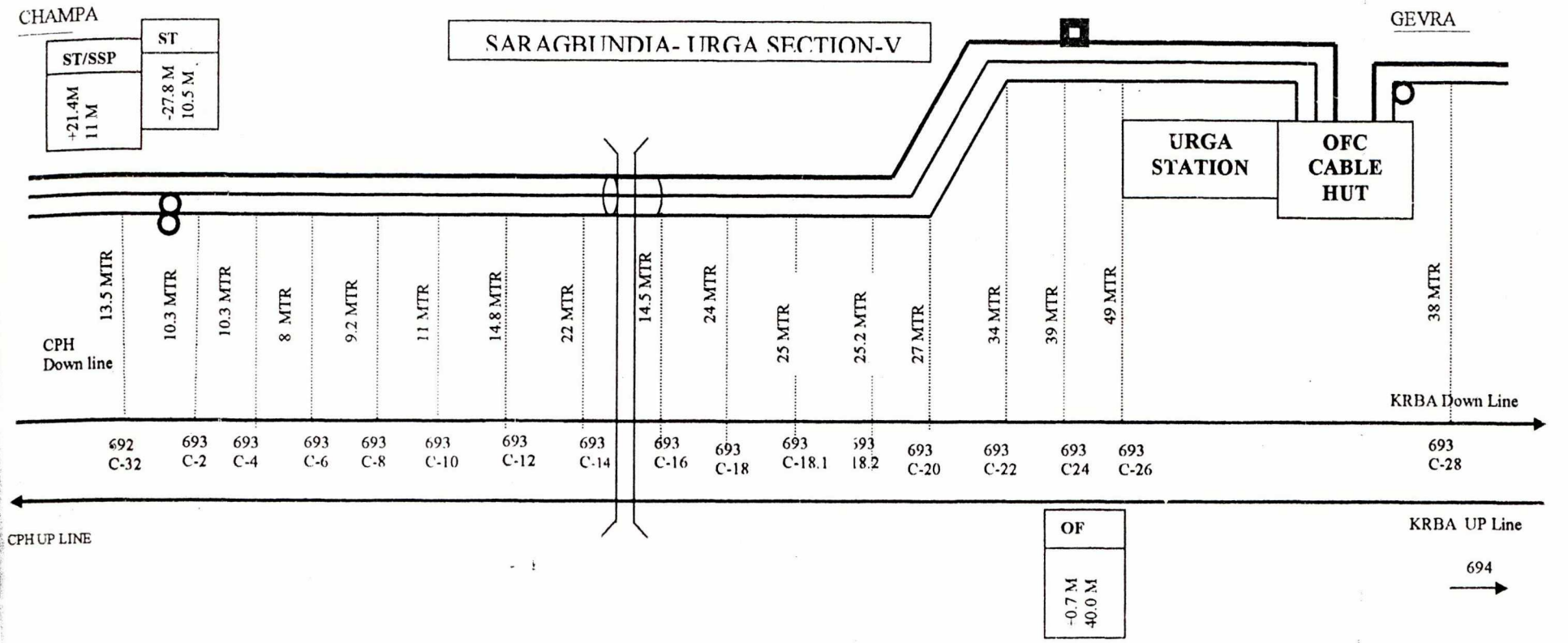
GEVRA

MADWARANI SARGBUNDIA SECTION-IV



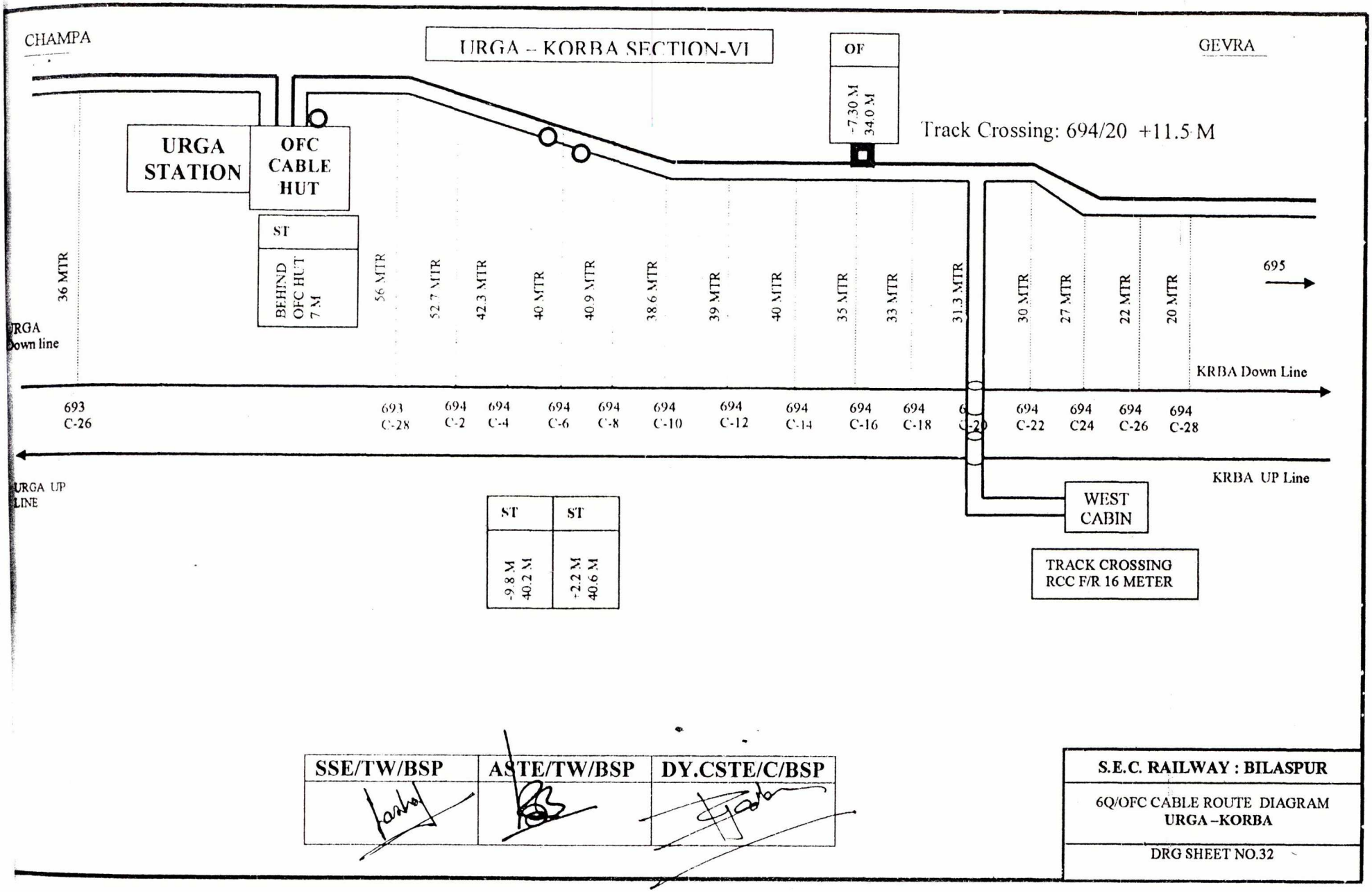
SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR
6Q/OFC CABLE ROUTE DIAGRAM MWRN – SRBA
DRG SHEET NO.22



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR
6Q/OFC CABLE ROUTE DIAGRAM SRBA --URGA
DRG SHEET NO.31



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

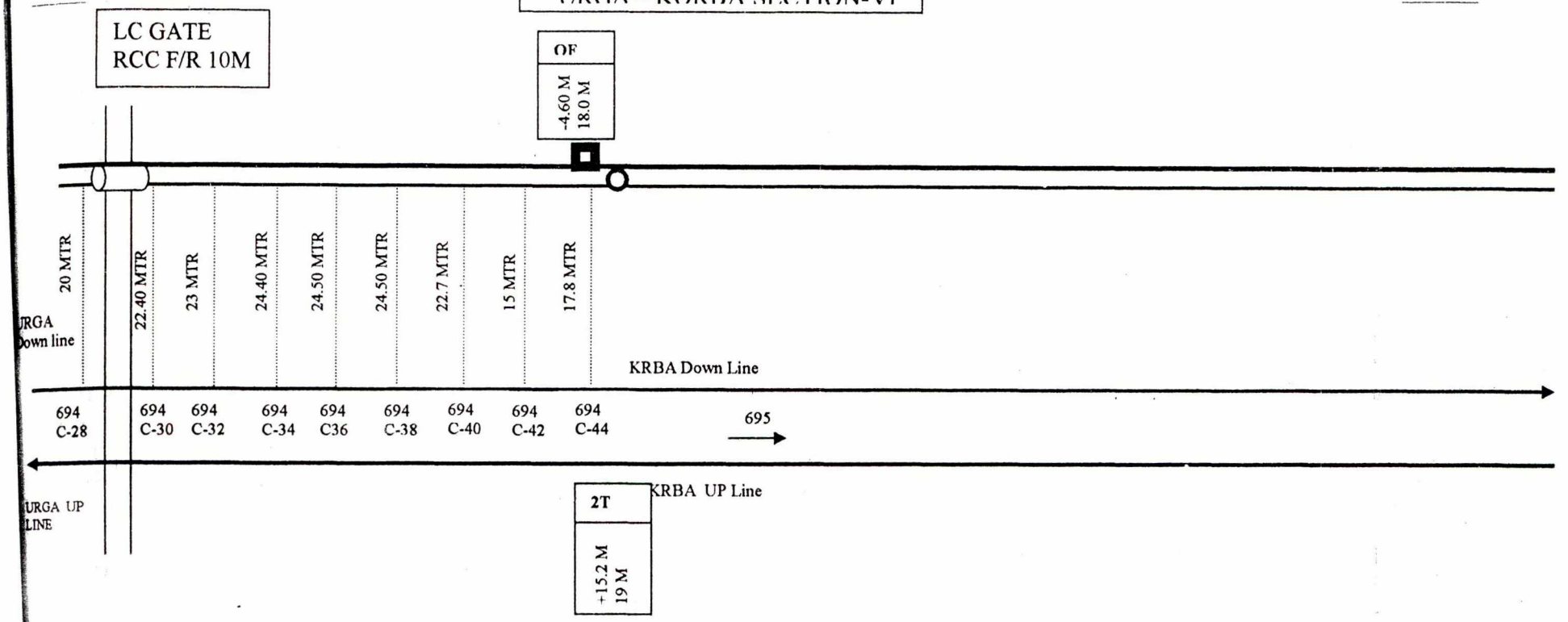
6Q/OFC CABLE ROUTE DIAGRAM
URGA –KORBA

DRG SHEET NO.32

CHAMPA

URGA – KORBA SECTION-VI

GEVRA



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

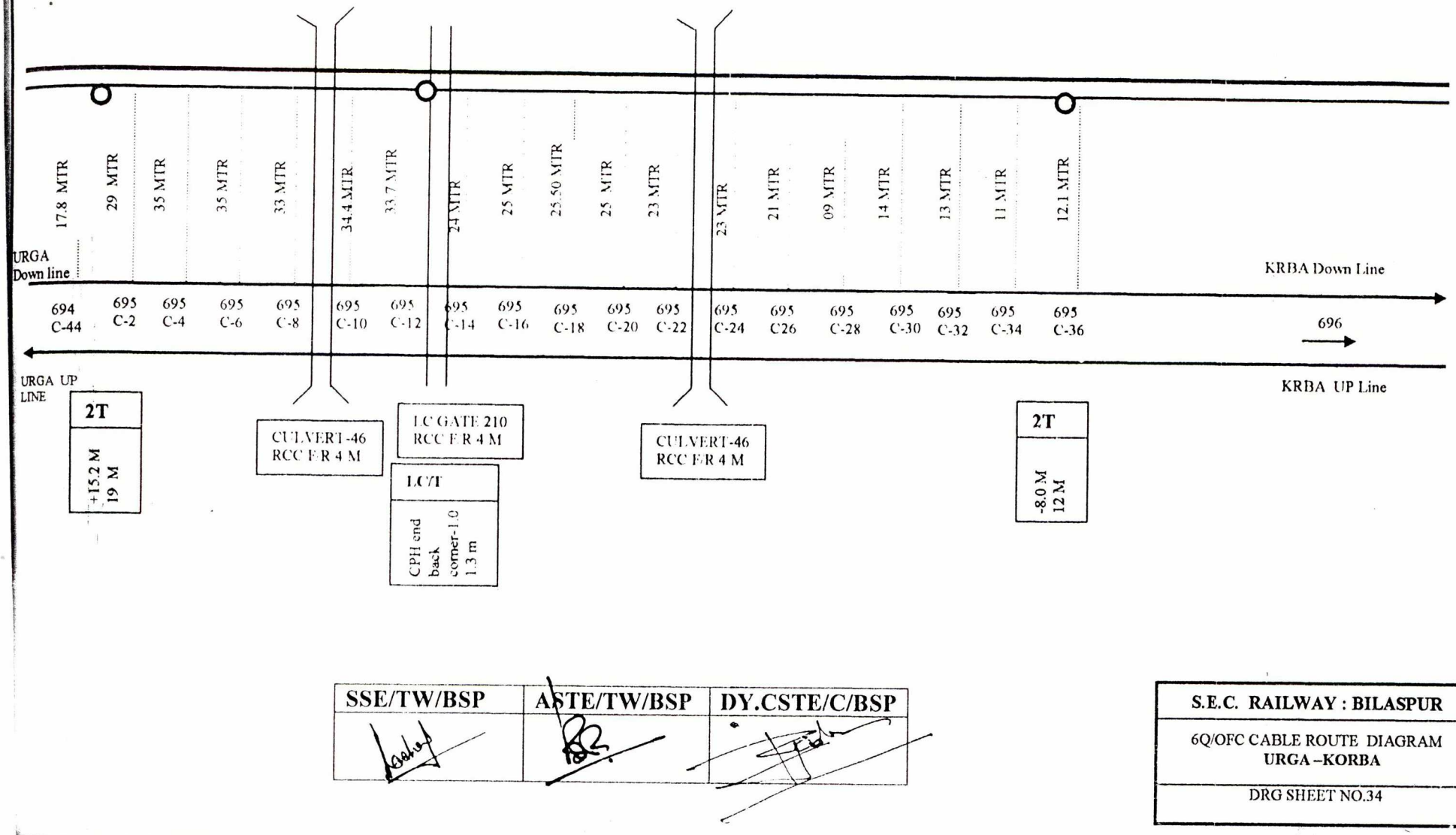
6Q/OFC CABLE ROUTE DIAGRAM
URGA – KORBA

DRG SHEET NO.33

CHAMPA

URGA – KORBA SECTION-VI

GEVRA



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

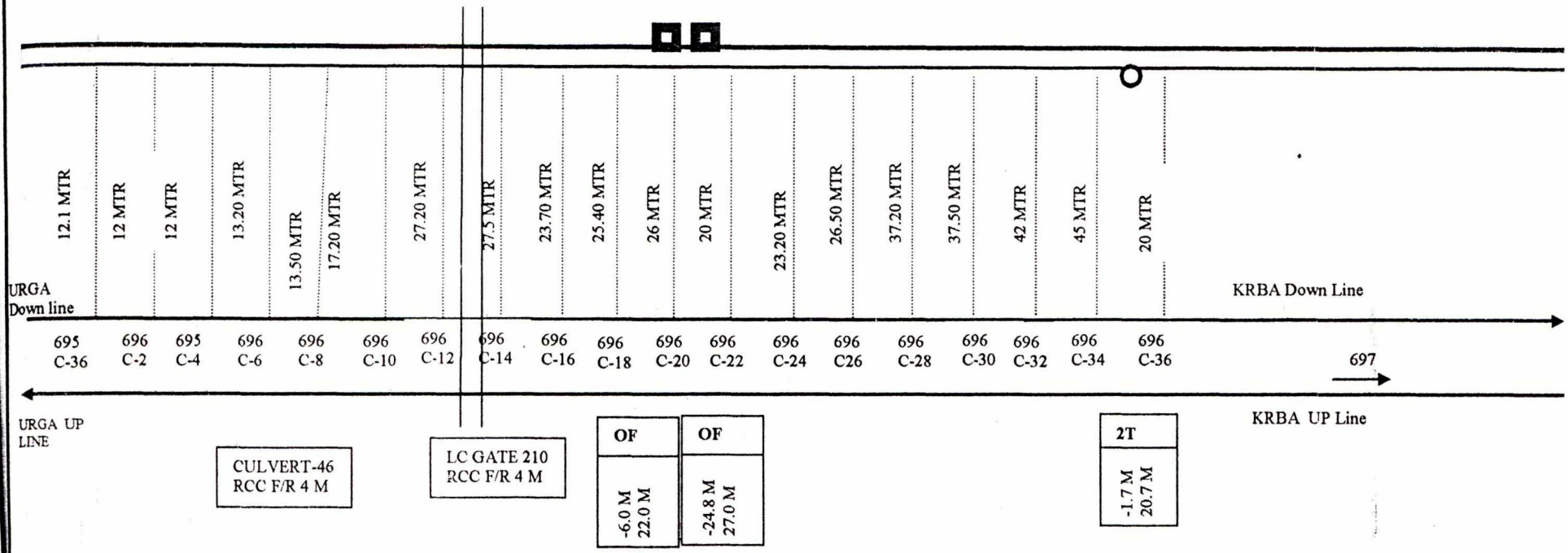
6Q/OFC CABLE ROUTE DIAGRAM
URGA –KORBA

DRG SHEET NO.34

CHAMPA

URGA – KORBA SECTION-VI

GEVRA



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

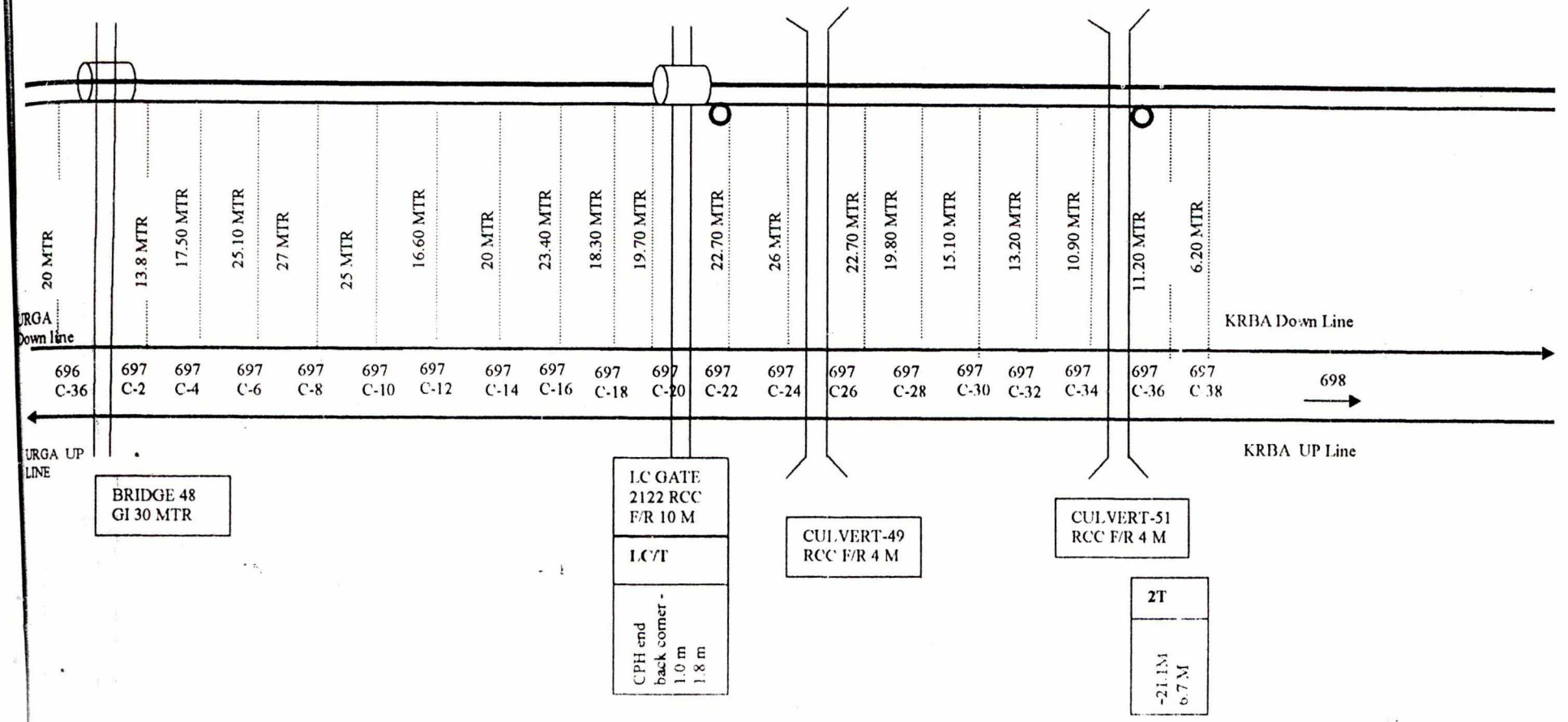
6Q/OFC CABLE ROUTE DIAGRAM
URGA –KORBA

DRG SHEET NO.35

CHAMPA

URGA – KORBA SECTION-VI

GEVRA

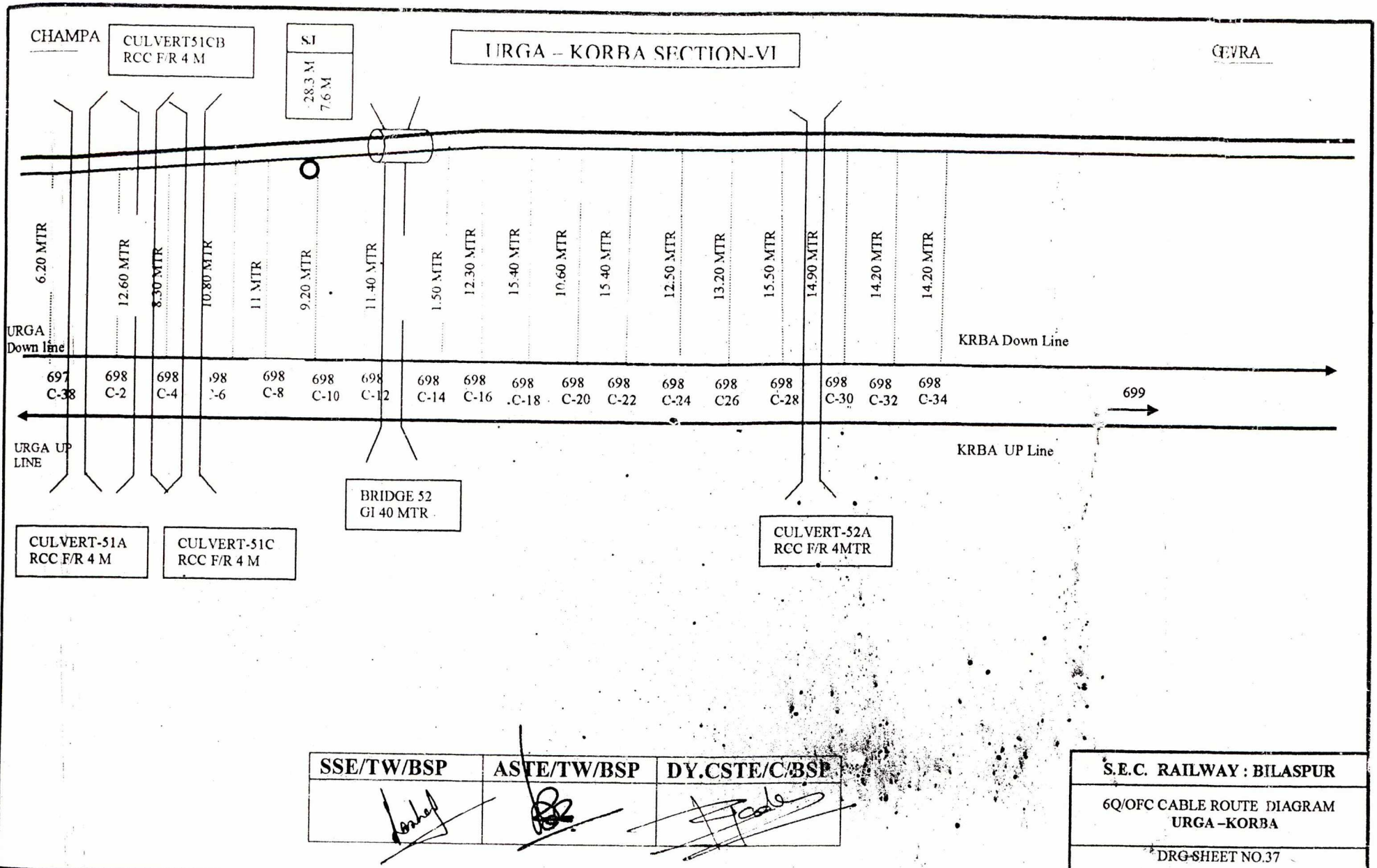


SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

6Q OFC CABLE ROUTE DIAGRAM
URGA – KORBA

DRG SHEET NO.36

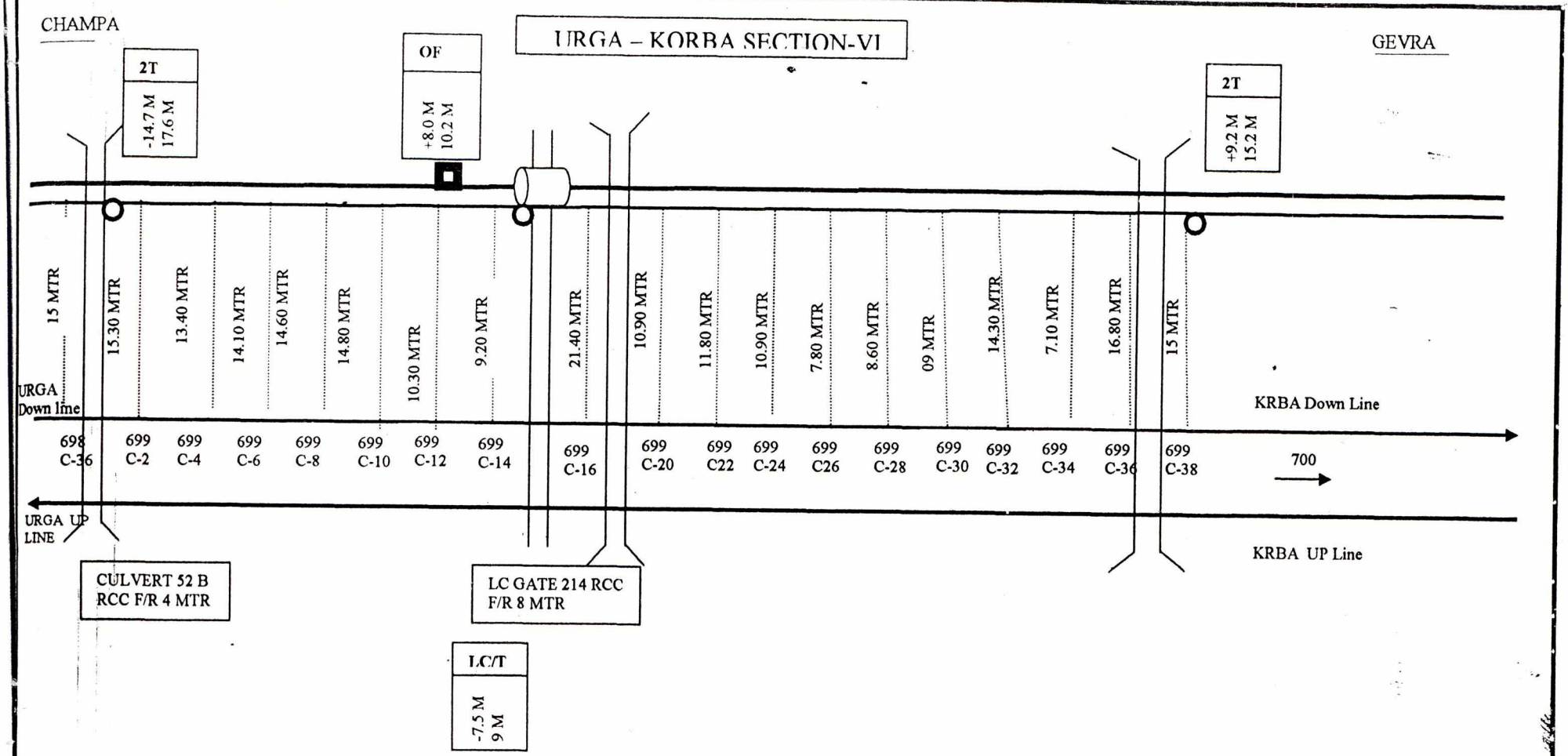


SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

6Q/OFC CABLE ROUTE DIAGRAM
URGA –KORBA

DRG SHEET NO.37



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

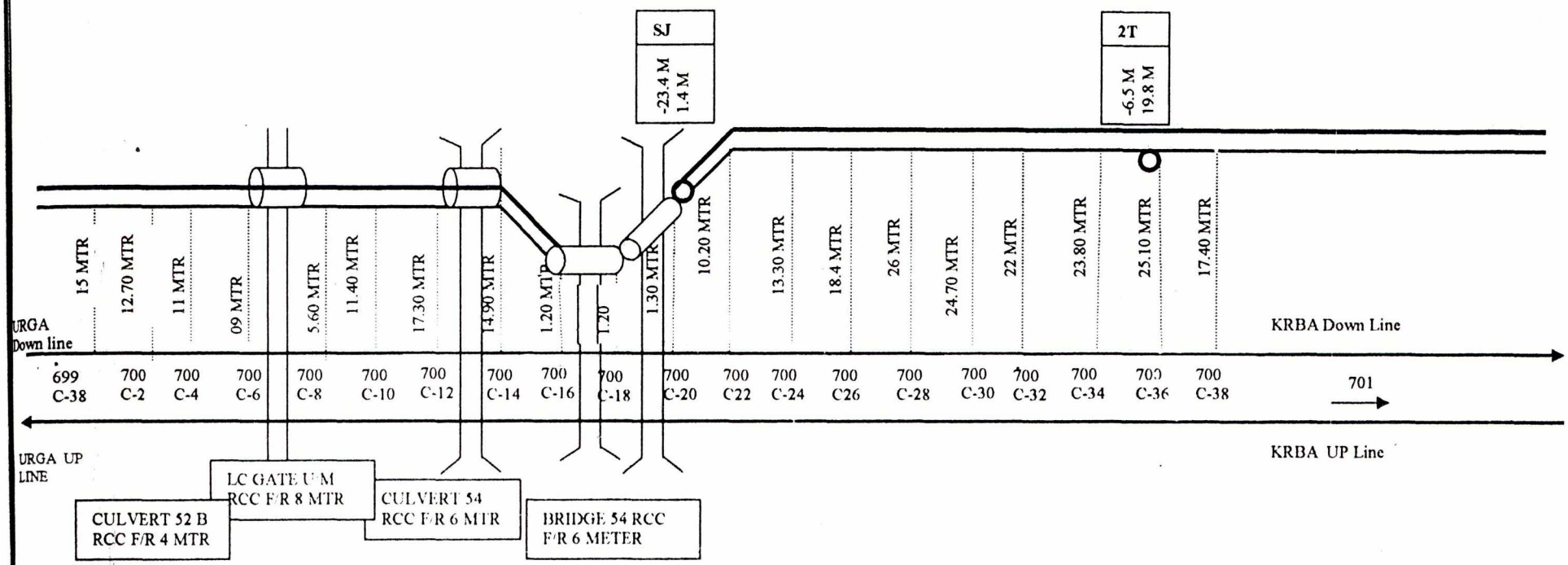
6Q/OFC CABLE ROUTE DIAGRAM
URGA –KORBA

DRG SHEET NO.38

CHAMPA

URGA – KORBA SECTION-VI

GEVRA



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

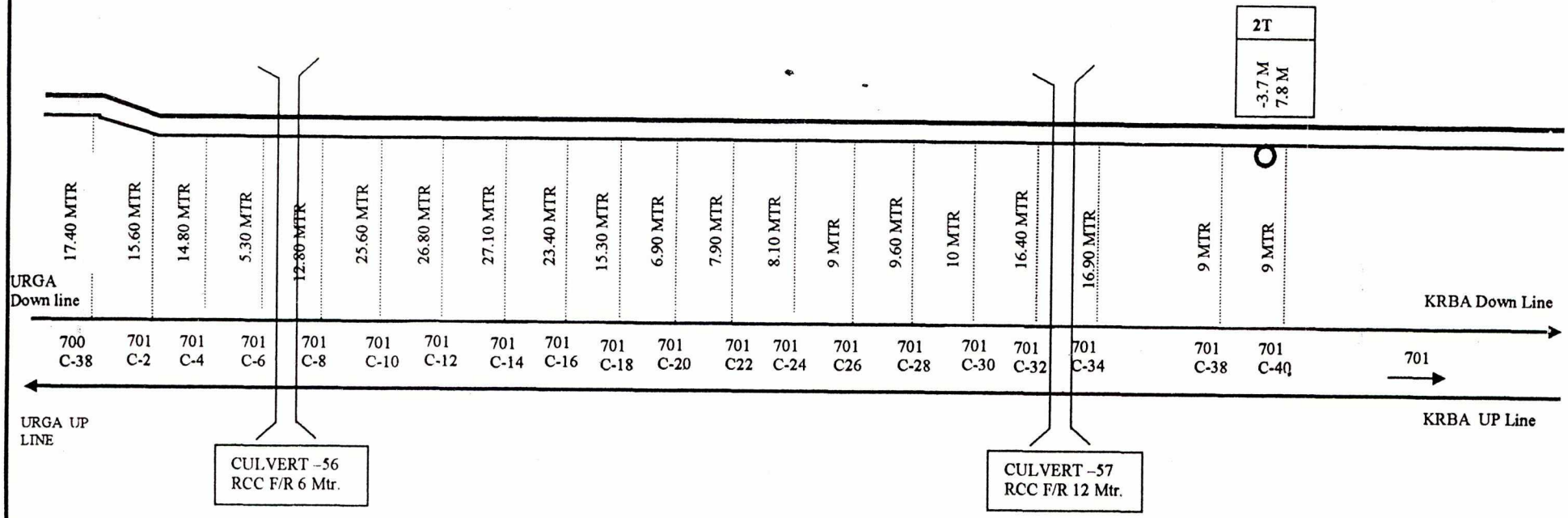
6Q/OFC CABLE ROUTE DIAGRAM
URGA – KORBA

DRG SHEET NO 39

CHAMPA

URGA – KORBA SECTION-VI

GEVRA



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

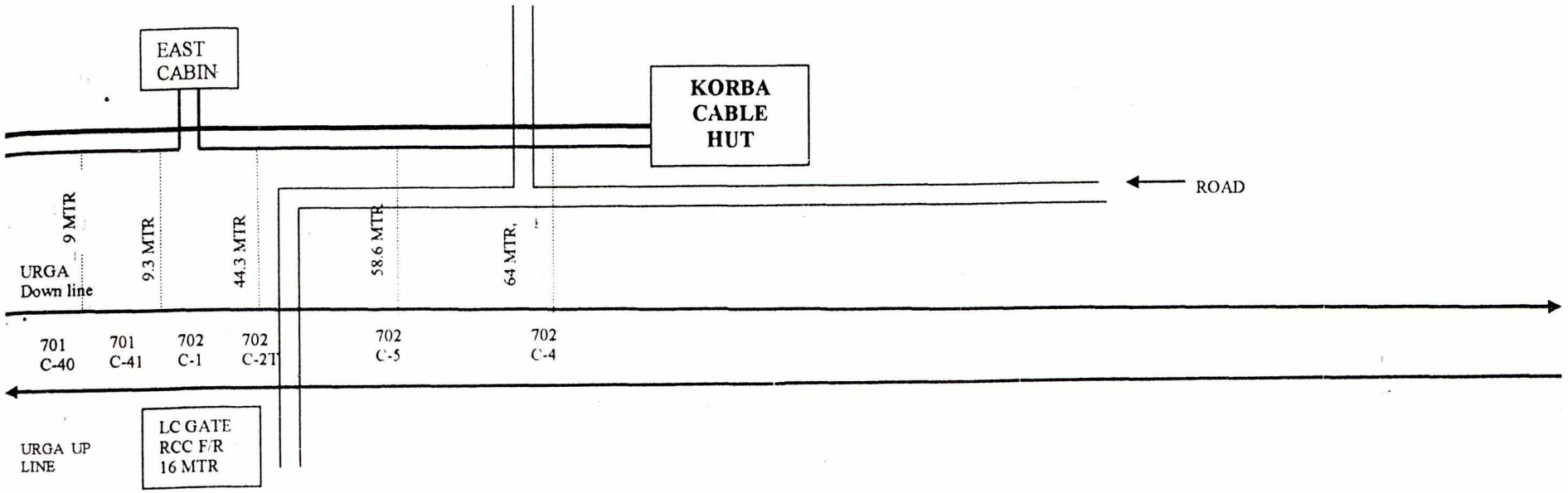
6Q/OFC CABLE ROUTE DIAGRAM
URGA –KORBA

DRG SHEET NO.40

CHAMPA

URGA – KORBA SECTION-VI

GEVRA



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

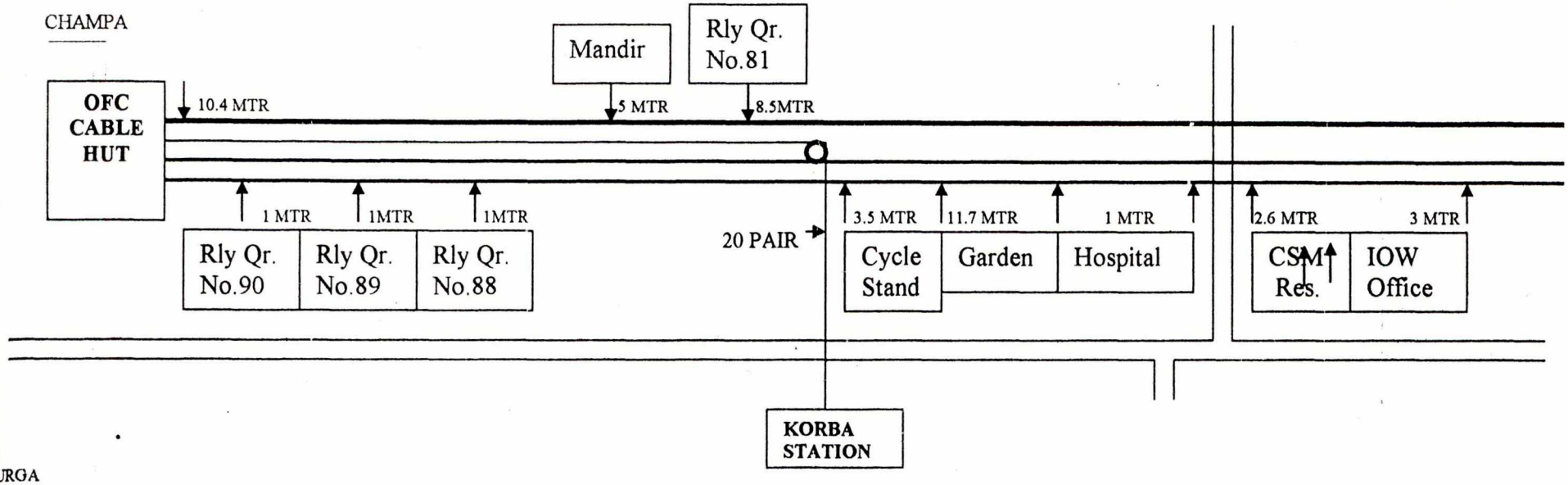
6Q/OFC CABLE ROUTE DIAGRAM
URGA – KORBA

DRG SHEET NO.41

KORBA - GEVRA SECTION-VII

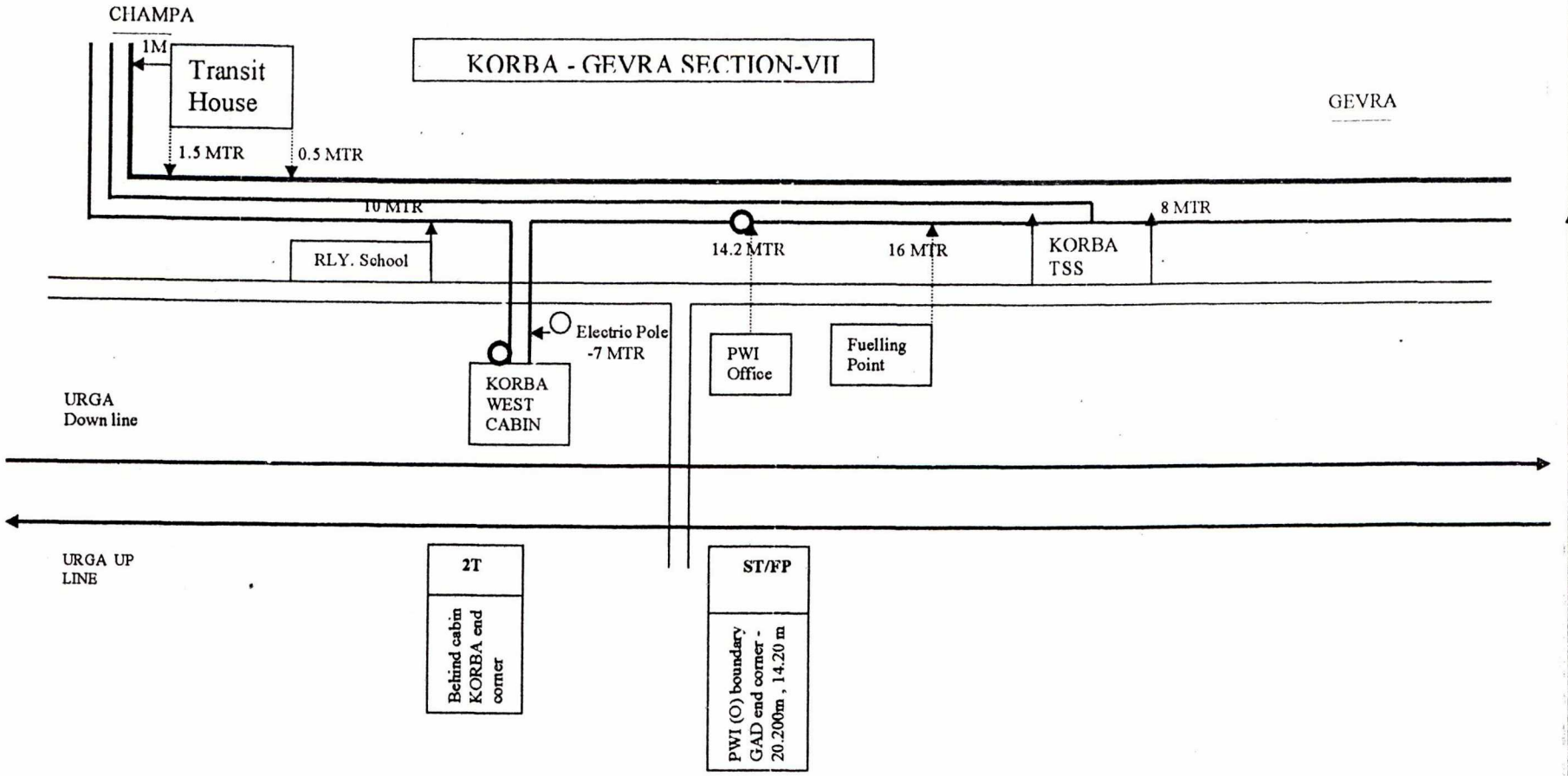
CHAMPA

GEVRA



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY: BILASPUR
6Q/OFC CABLE ROUTE DIAGRAM **KORBA –GEVRA**
DRG SHEET NO.42



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY: BILASPUR

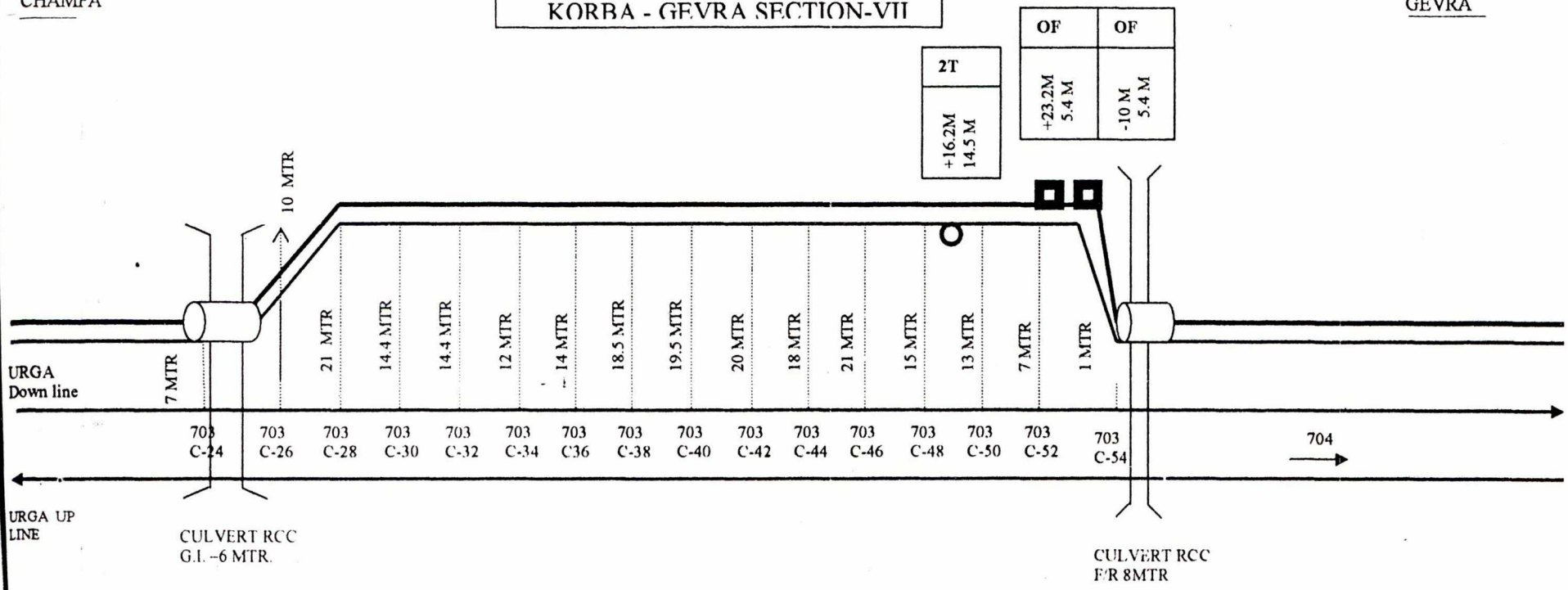
6Q/OFC CABLE ROUTE DIAGRAM
KORBA –GEVRA

DRG SHEET NO .43

CHAMPA

KORBA - GEVRA SECTION-VII

GEVRA



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

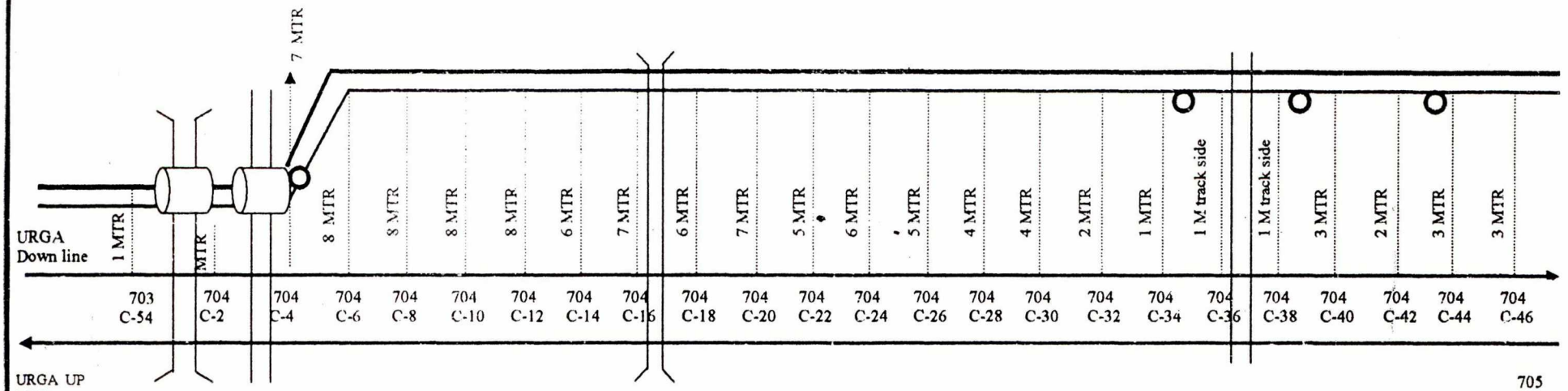
6Q/OFC CABLE ROUTE DIAGRAM
KORBA –GEVRA

DRG SHEET NO.44

CHAMPA

KORBA - GEVRA SECTION-VII

GEVRA



CULVERT RCC
G.I. –54 MTR.

L.C. GATE
G.I. –8 MTR.

LC/T
-14.20 M 6.10 M

ST
+4.5 M 3.0 M

ST
+15.0 M 3.0 M

2T
-19.4 M 3.0 M

SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

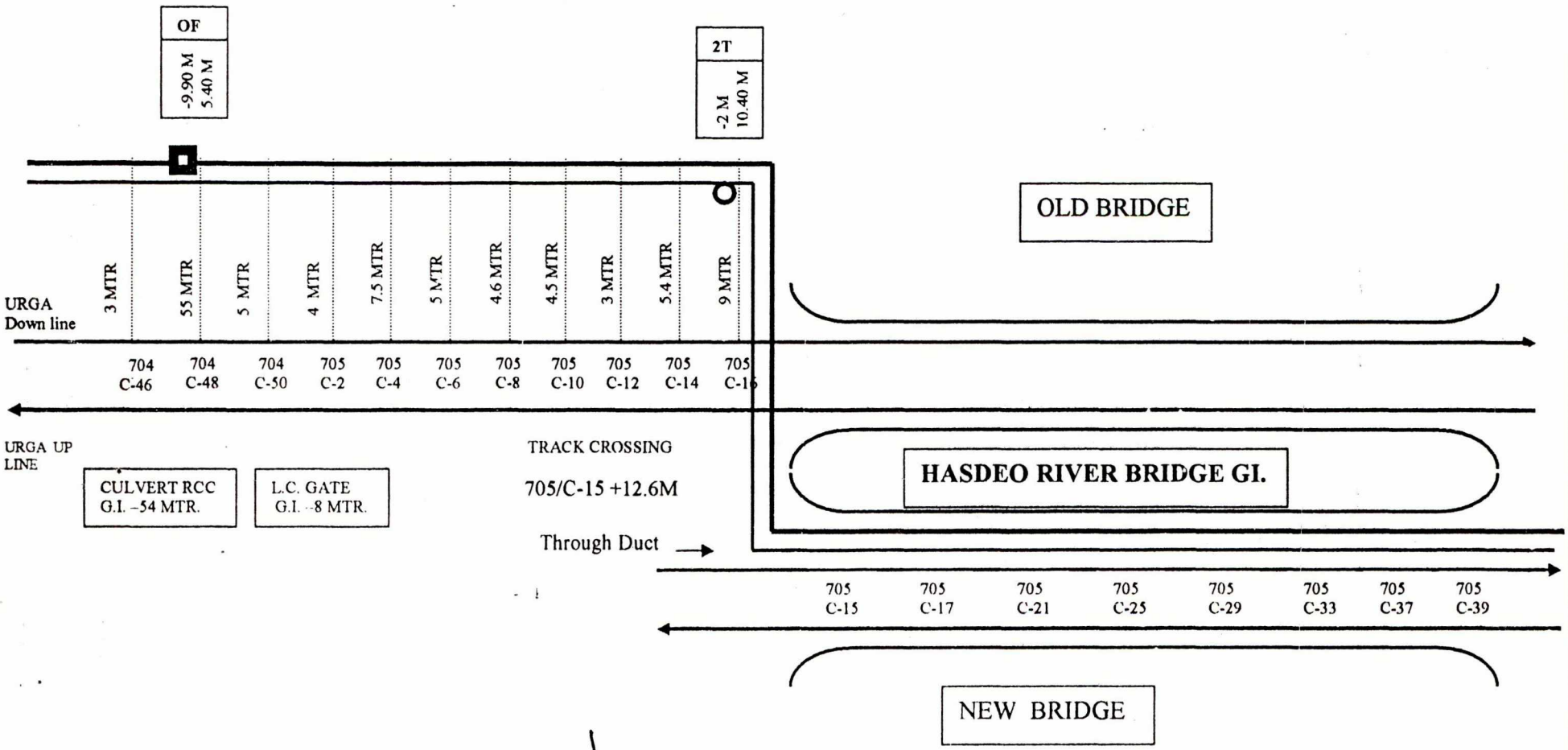
6Q/OFC CABLE ROUTE DIAGRAM
KORBA –GEVRA

DRG SHEET NO.45

CHAMPA

KORBA - GEVRA SECTION-VII

GEVRA



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

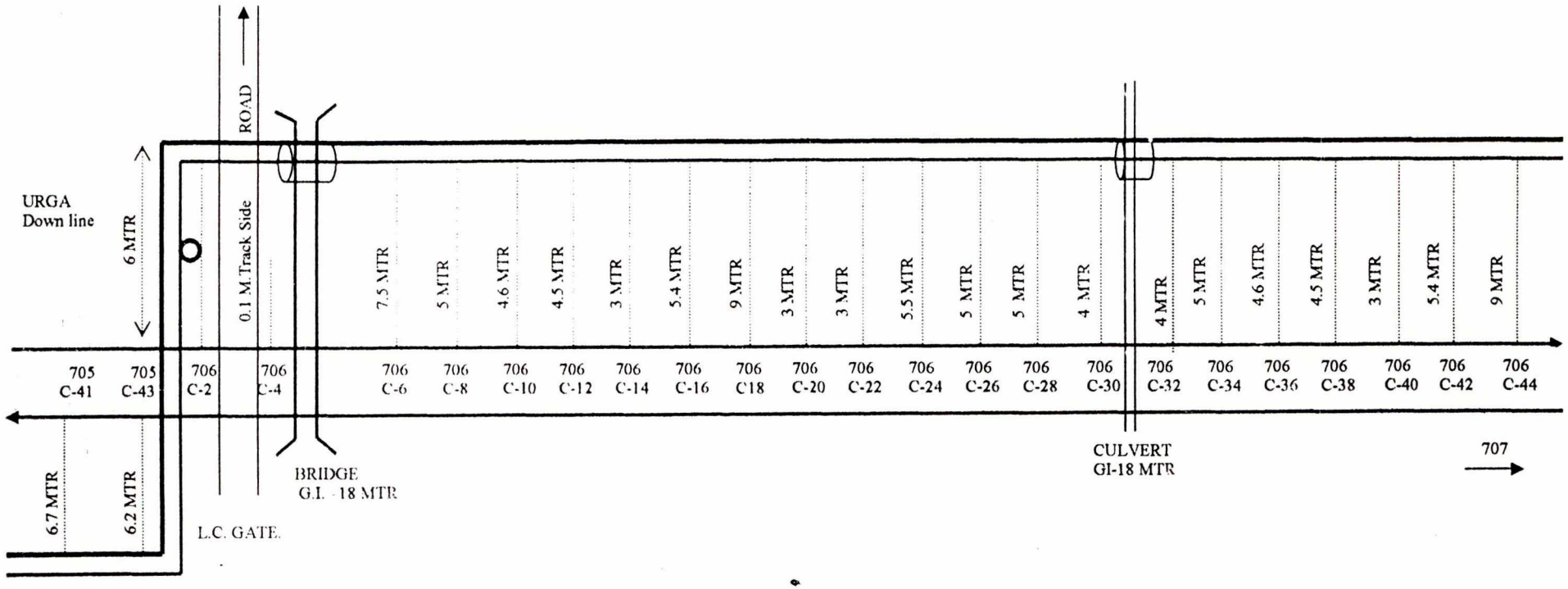
6Q/OFC CABLE ROUTE DIAGRAM
KORBA –GEVRA

DRG SHEET NO .46

CHAMPA

KORBA - GEVRA SECTION-VII

GEVRA



URGA
UP LINE

Track Crossing
706/c-2-3.7 MTR

2T
-4.5 MTR 5.3 MTR

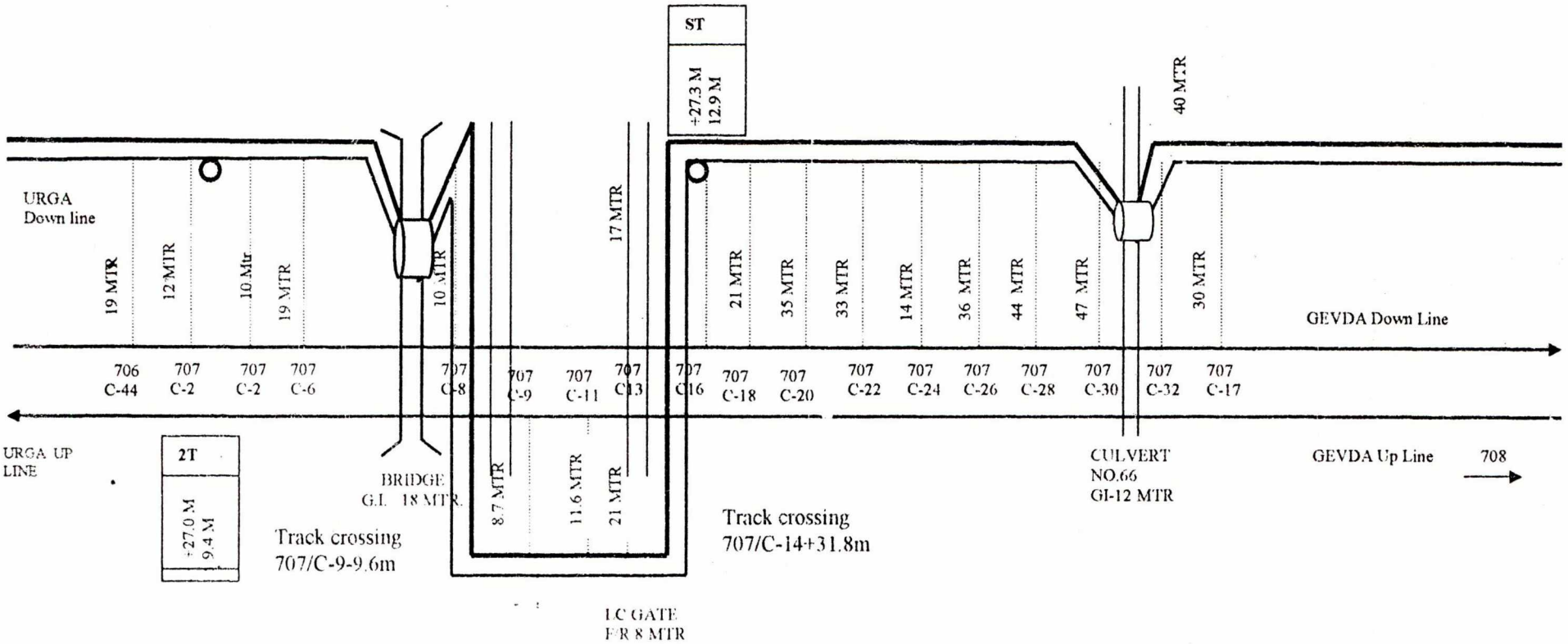
SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR
6Q/OFC CABLE ROUTE DIAGRAM **KORBA –GEVRA**
DRG SHEET NO.47

CHAMPA

KORBA - GEVRA SECTION-VII

GEVRA



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

6Q OFC CABLE ROUTE DIAGRAM
KORBA – GEVRA

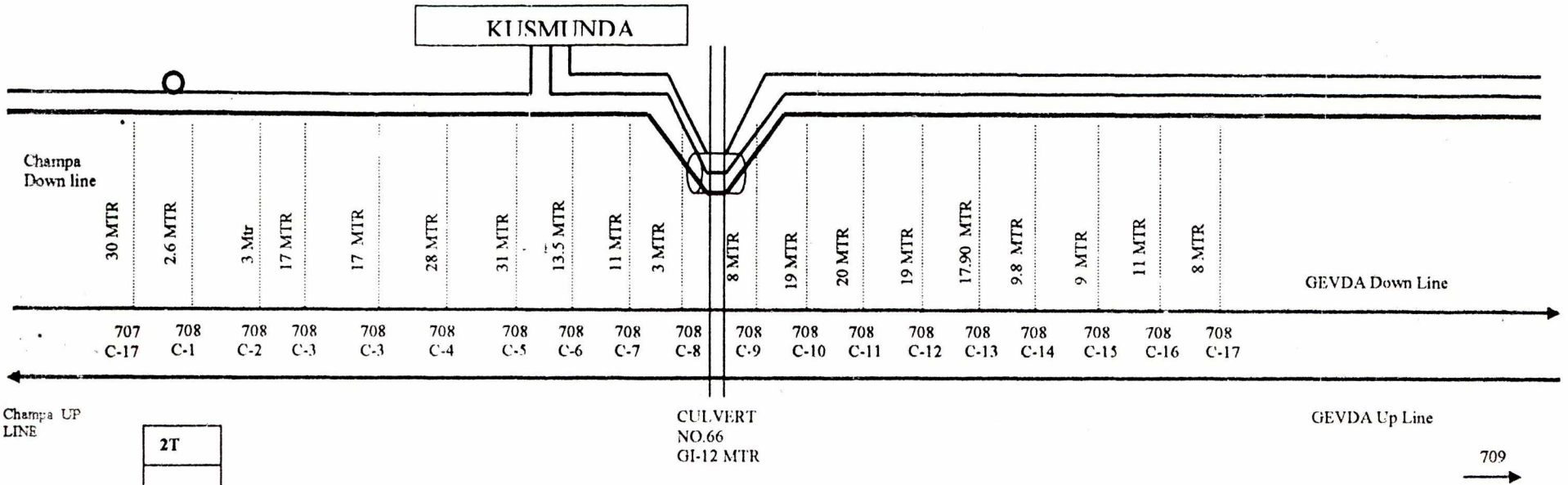
DRG SHEET NO.48

CHAMPA

KORBA - GEVRA SECTION-VII

GEVRA

KBS Siding Track Crossing - KS/8-4 MTR



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

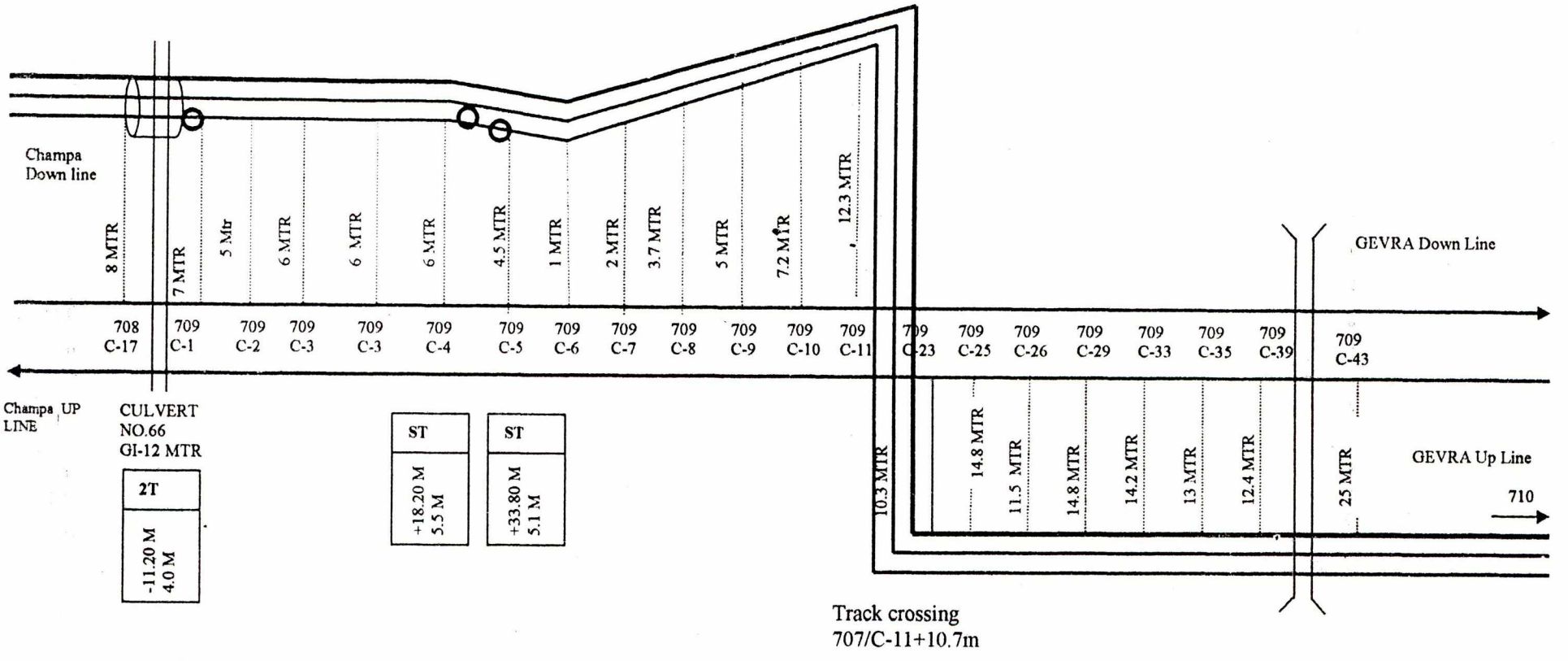
6Q/OFC CABLE ROUTE DIAGRAM
KORBA – GEVRA

DRG SHEET NO.49

CHAMPA

KORBA - GEVRA SECTION-VII

GEVRA



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

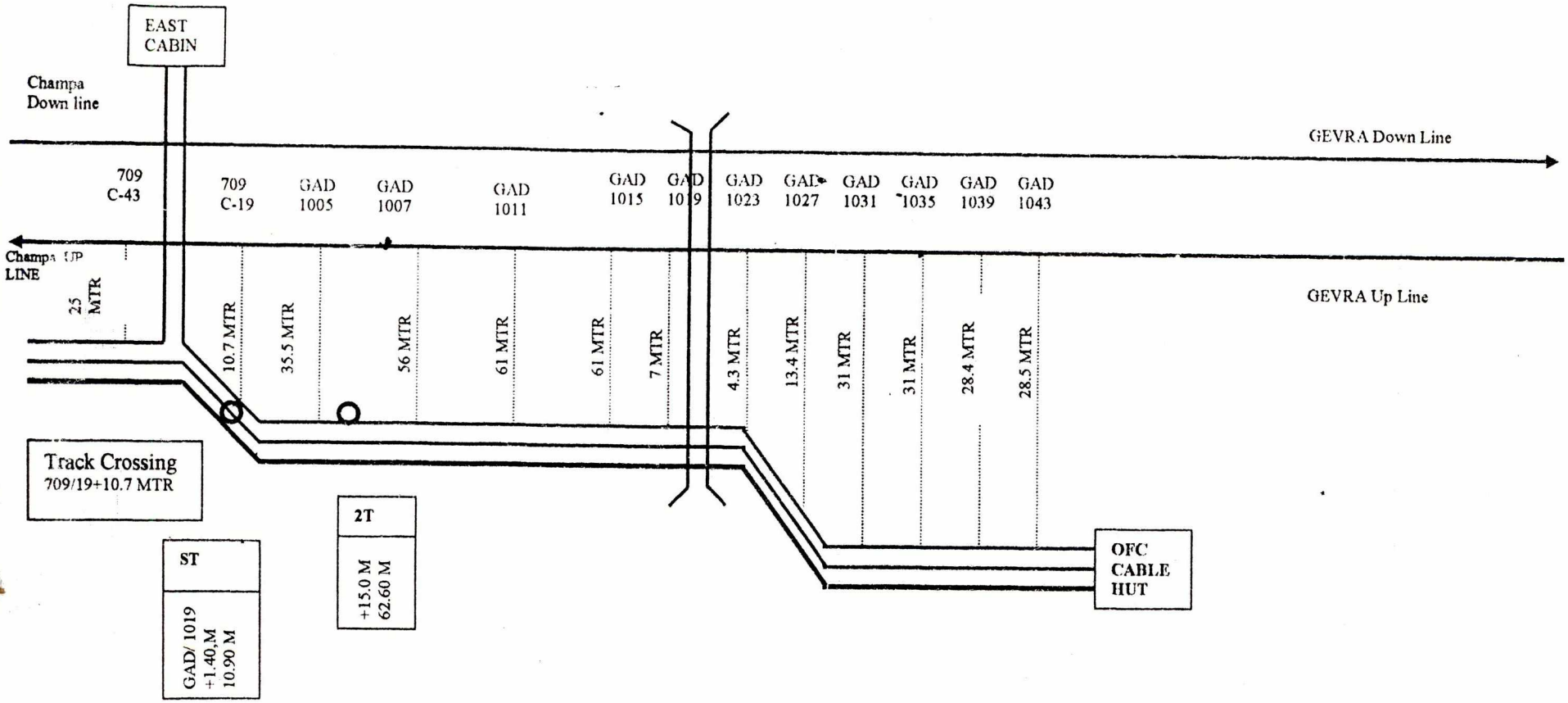
6Q/OFC CABLE ROUTE DIAGRAM
KORBA –GEVRA

DRG SHEET NO.50

CHAMPA

KORBA - GEVRA SECTION-VII

GEVRA



SSE/TW/BSP	ASTE/TW/BSP	DY.CSTE/C/BSP

S.E.C. RAILWAY : BILASPUR

6Q/OFC CABLE ROUTE DIAGRAM
KORBA –GEVRA

DRG SHEET NO. 51