

**OIL INDIA LIMITED**  
(A Government of India Enterprise)  
P.O. Duliajan, Pin – 786602  
Dist-Dibrugarh, Assam

**CORRIGENDUM NO. 2 DATED 29.05.2017 TO E-TENDER NO. CDO4569P18 for Hiring of services for Construction of 10 Nos. 500 KL Capacity Formation water storage tanks.**

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This Corrigendum is issued for the following changes against the referred tender:

- Part-II SOQ, Item No. 70 to be read as “Earthing connection of the storage tanks including supply of all materials. Providing complete earthing system to the constructed tanks, consisting of G. I earthing Bus, Earth Electrodes, connected firmly to the shell, as per drawing/specifications provided in Drawing No. OIL/PO/07 **or OIL/EPS/ELECT-007** (Typical earthing arrangement of Crude oil, FWD tanks & Pressure vessels), including all the associated jobs. This item includes supply of all materials, fabrication and erection as needed. This item also includes construction of brick/RCC enclosure as per sketch no OIL/PO/08 **or OIL/EPS/ELECT-002** for earth electrode pits with concrete cover at various locations”.
- Part-II SOQ, Item No. 80 to be read as “Hydraulic testing of 500 KL tank as per specification and direction of Site Engineer.

Note: Source Water for Hydraulic testing will be provided. However, Temporary pipeline connection etc should be made by the contractor for lifting water in the tank. For hydraulic testing of the newly fabricated/constructed tanks, all work such as arrangement of suitable pumps for filling of water to the tanks, running of the pump including **all necessary connections to the water source** will be arranged/executed by the contractor. After filling the tank with water a minimum period of 24 hours duration shall be maintained to observe any possible leakage/settlement of foundation etc.”

- Part-II SOQ, Item No. 300 to be read as “Erection of brick wall around the Tanks as per OIL drawing no. OIL/2488 including steps on both side and painting the all exposed surfaces with exterior weather proof paint. All materials will be supplied by the contractor”.
- Part-II SOQ, Item No. 370 to be read as “Dismantling of foundation of 160 KL Tank: The job involves Breaking of tank foundation including RCC column and beam, Removing of Compacted sand & Excavation of earth. **Sketch no. OIL/4114 should be referred in this case”.**

- Part-III SCC, **Clause no. 22.0 A ix) stands deleted** as the NIT is for Hiring of services for Construction of 10 Nos. 500 KL Capacity Formation water storage tanks.
- Last Date of Bid Selling extended up to **09.06.2017 (15:30 Hrs IST)**
- Last Date of Bid Submission extended up to **16.06.2017 (11:00 Hrs IST)**

Except for above, there are no other changes in the original NIT published earlier. Prospective bidders are requested to take note of these changes.

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SK. NO. OIL/

SLOPE 1 IN 12

SAND MIXEL BITUMEN  
(25 THK. AT END & 75 THK. AT CENTRE)

300 THK. THROUGHLY COMPACTED  
FILL OF GRAVEL COARSE SAND OR  
OTHER STABLE MATERIAL.

6603 DIA.

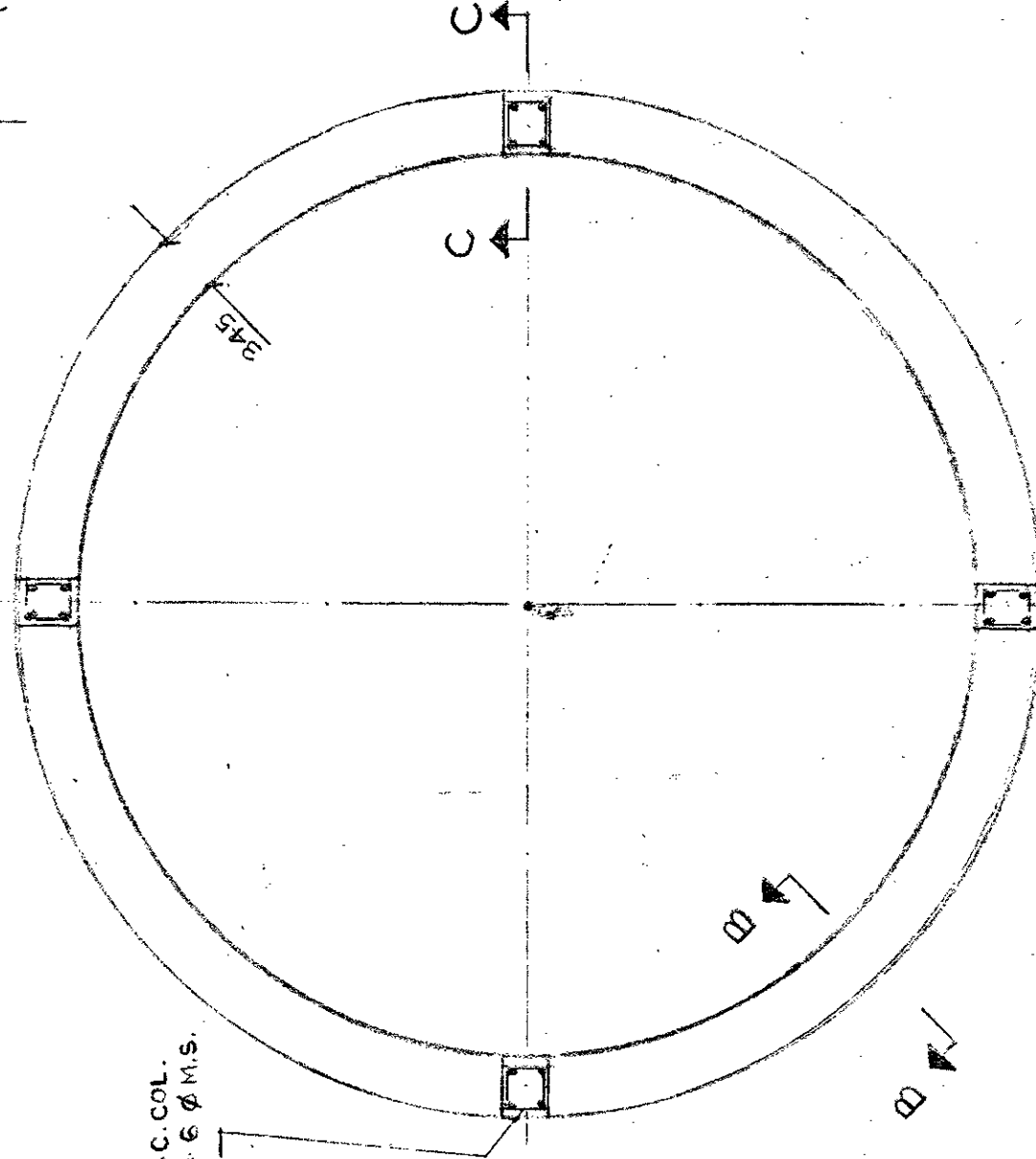
4 NOS. 345 x 300 R.C.C. COL.  
WITH 4-16 Ø BARS & 6 Ø M.S.  
STKFS @ 150 CHS.

100 THK. C.C. (1:4:8) BERM  
OF DRAIN

SLOPE 1 IN 30

RING WALL SEE DETAIL

LEAN CONCRETE  
(1:3:6)



SECL. PLAN ON A-A

NOTE:  
TOLERANCE FOR SMOOTHNESS OF TOP  
SURFACES OF RING WALL ± 20 MM IN EVERY  
9M CIRCUMFERENTIAL LENGTH

ALL DIMENSIONS ARE IN MILLIMETRE.

REV. DATE ZONE

BRIEF RECORD

APPROVED



**OIL INDIA LIMITED**  
DRAWING OFFICE  
DULIAJAN

SCALE

1:50 & 1:20

TITLE

**FOUNDATION FOR 6603 DIA x 4820 H.  
(1000 BBL) CRUDE OIL STORAGE TANK**

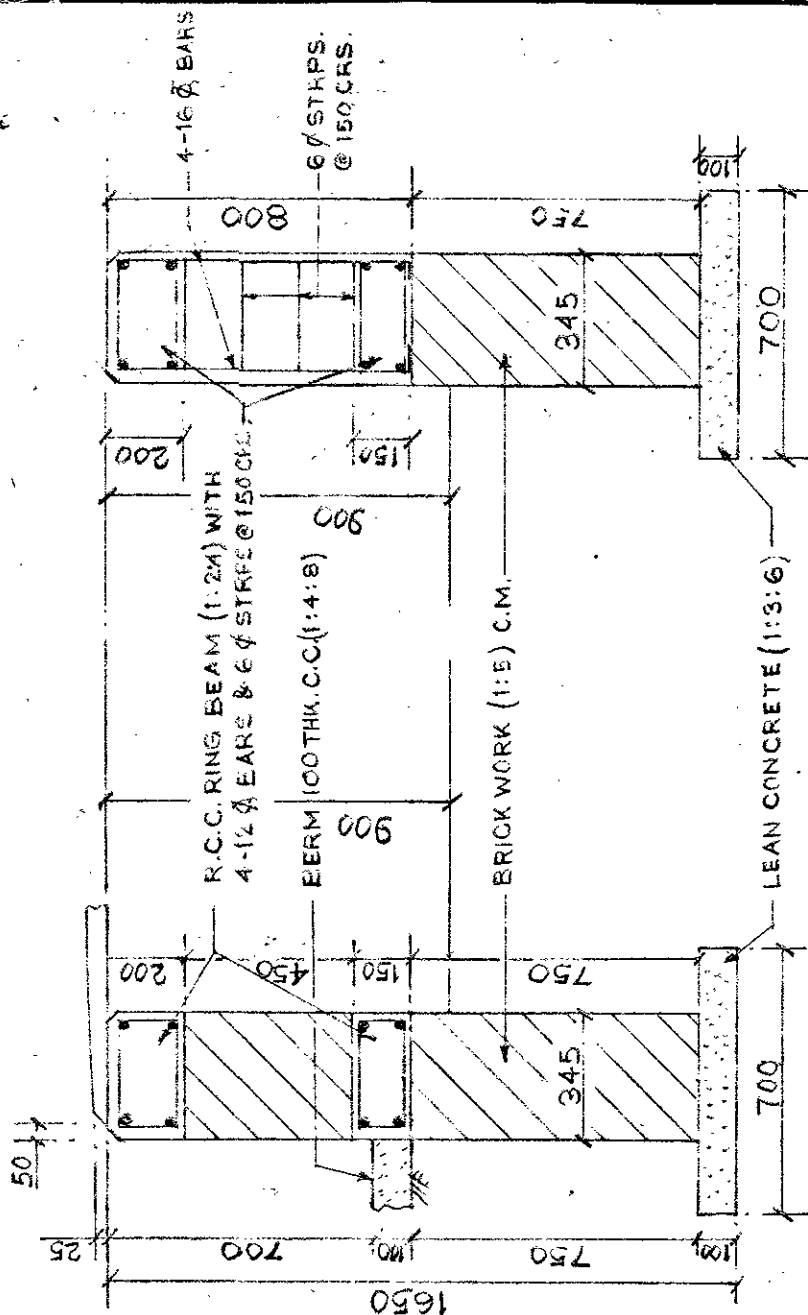


(DOUBLE DECKER)

SK. NO

**OIL/4114**

DESIGNED	NAME	DATE
DRAWN	Yagya's	28.9.99
TRACED		
CHECKED		4/10/99
APPROVED		



SECL. ELEVATION  
ON B-B

SECL. C-N C-C  
(SHOWING DETAIL OF COL.)

APPD. BY *[Signature]*

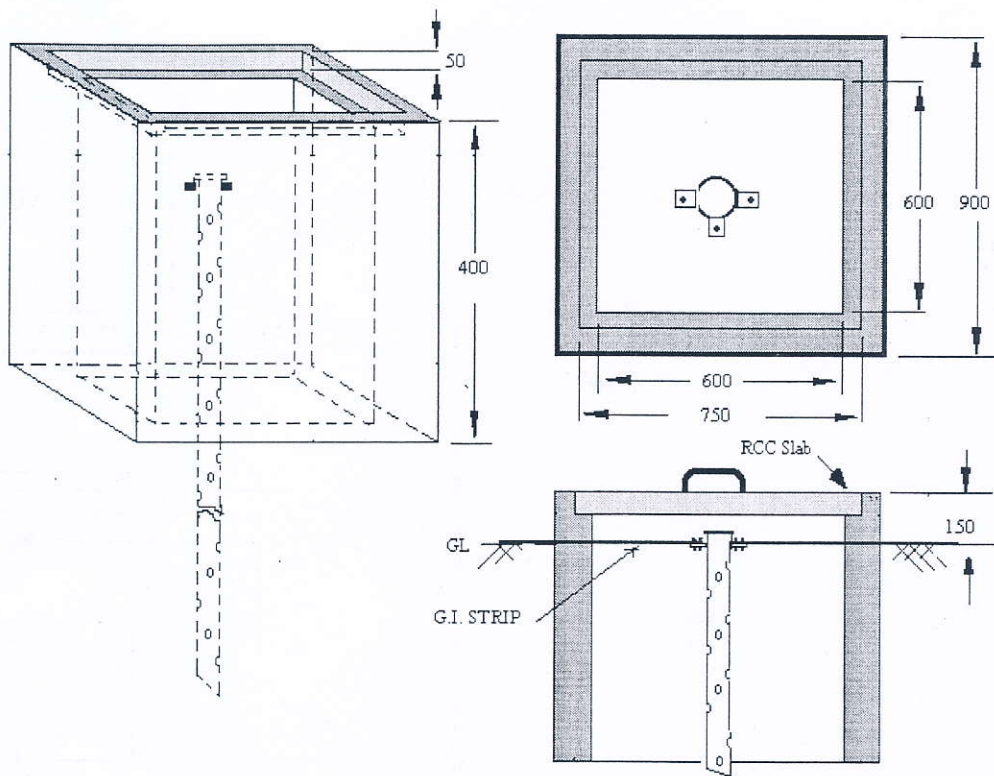
NAME A.N. SARMAH DESIGNATION DY. GE. (PP) DATE 03/11/99

REF. DRG.:-

FOR 1000 BBL TANK (BOLTED) SEE DRG. NO. OIL/2372/A

SUPERSEDES SK. NO. OIL/2352/A

### ENCLOSURE OF AN EARTH ELECTRODE



#### SPECIFICATION:

1. The internal dimension of the enclosure will be 600(L) x 600(B) x 400(H).
2. The enclosure shall be made of 1<sup>st</sup> class local bricks or RCC.
3. All sides of the brick enclosure shall be cement plastered.
4. Enclosure shall be constructed such that electrode will be located at the center of the enclosure.
5. Enclosure shall be projected 150 mm above the ground level.
6. RCC cover shall be suitably inserted at the top of the enclosure as shown in the sketch.

#### Note:

1. All dimensions are in mm.
2. Sketch is not to scale.

**SKETCH NO. OIL/EPS/ELECT -002**

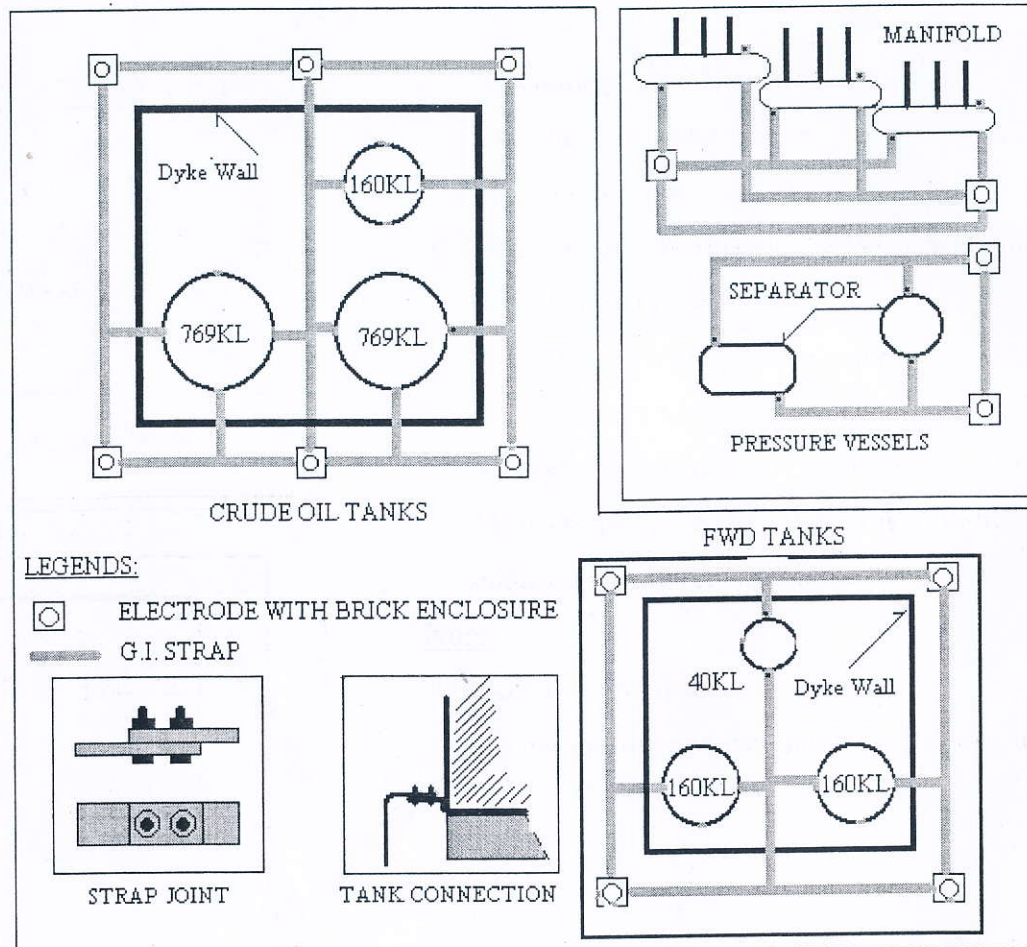
**TITLE : ENCLOSURE FOR EARTH ELECTRODE**

**DRAWN BY : ABANI GOGOI. EE (P&C)**

**UPDATED : 22.11.2010**



## SPECIFICATION AND JOB DESCRIPTION



EARTH CONNECTIONS OF CRUDE OIL, FWD  
TANK AND PRESSURE VESSELS

1. Size of the Earth Pipe : 100 mm dia, G. I. Tubular Pipe.
2. All connections will be done by 2 nos. of  $\frac{1}{2}$  " x 1" G.I. nuts and bolts with flat and spring washers.
3. Size of G.I. Strap shall be 50mm x 6 mm .
4. Earth pit shall be outside the Dyke Wall and its distance from the dyke wall shall not be less than 1.5 M.
5. Earthing of pressure vessels, manifold etc. shall be done by 2 nos. of earth connections on opposite sides.
6. In case, the perimeter of a tank is more than 30 M , 3 nos. earth connections are required and if it is more than 60 M 4 nos. earth connections are required to be done.

### Note :

1. Sketch is not to scale.
2. No gas cutting and welding shall be done in joints of the earthing grid.
3. Only G. I. Nuts, bolts and washers shall to be used.
4. Every earth electrode shall be enclosed by brick or RCC enclosure.
5. Position of earth electrode and connecting points are subjected to space constraints.

**DRAWING NO: OIL/EPS/ELECT -007**

**TITLE:** TYPICAL EARTHING ARRANGEMENT OF  
CRUDE OIL FWD TANKS AND PRESSURE VESSELS.

**DRAWN BY :** ABANI GOGOI. E.E.(P&C) **UPDATED :** 25.08.2006