

Final Ratified TECHNICAL SPECIFICATION FOR CAST IRON PLATE

1. **SCOPE:-** This specification covers manufacture of Cast Iron Earthing Plate, its supply and delivery to “Regional Store/Divisional store/ any destination as directed by UGVCL”.
2. **MATERIALS:-** The Plate shall be of suitable quality of Grey Cast Iron made from pig iron and free from all defects as per IS 210. & latest amendment if any.
3. **REQUIREMENT:-** The Plate shall be of size: 300mm x 300mm x 9mm as per drawing no. (O&M) x 137 (Rev. 3). However, manufacturers are free to select length and breadth more than 300mm so as to have its weight 6.5 Kg. or more.

Following manufacturing tolerance shall be adhered to:

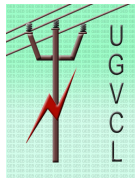
- a) Length and breadth: + 5% (no negative tolerance)
- b) Thickness and hole diameter: ± 1 (one) mm.

4. **MARKING:-** Word ‘UGVCL’ and manufacturer’s name / trade name “Tender no. & year of manufacturing “shall be casted on one side of the Plate.
5. **WEIGHT:-** The weight of the plate without bolts, nuts and washers shall be minimum 6.5 Kg. The lot containing plate weighting less than 6.5 Kg. will be straightway rejected. The plates weighting 6.5 Kg. or more will be acceptable but the Company will not pay any charges for additional weight Tenderers are requested to note this and to quote their rates on the basis of each piece of C.I. Plate and not on weight basis.
6. **INSPECTION:-** The Supplier shall offer a lot for inspection mentioning quantity ready with it. UGVCL will arrange for inspection of material at Supplier’s works.

Date:

Place:

Signature & Seal of the Tenderer



7. SAMPLING CRITERIA AND TESTS:

The number of samples to be picked up randomly from the lot shall be as under:

Size of Lot		No. of Samples
i)	Up to and including 2000 Nos.	20
ii)	2001 to 3000 Nos.	30
iii)	More than 3000 Nos.	40
The above samples shall be subjected to following acceptance tests :		
i)	Visual inspection	
ii)	Verification of dimensions	
iii)	Verification of Weight	
iv)	Chemical Composition Test as per IS-210 Grade FG 150 with maximum sulphur content of 0.12% and maximum Phosphorus content 0.2%	

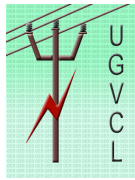
8. GUARANTEED TECHNICAL PARTICULARS: Tenderer should submit the complete details in Guaranteed Technical Particulars (G.T.P.) as per attached Annexure - 'A' in Triplicate along with offer.

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Date:

Place:

Signature & Seal of the Tenderer



ANNEXURE 'A'

Name of Manufacturer:
And Address:

GUARANTEED TECHNICAL PARTICULARS (GTP)

Technical information and guaranteed technical information for supply of C.I. Earthling Plates.

PART 'A'

Bidder has to confirm following important requirement:-

Sr.No.	Particulars	Confirmation
1.	The plate shall be made from pig Iron as per IS210 Grade FG 150 with maximum sulphur content of 0.12% and maximum Phosphorus content 0.2%	Yes
2.	The plate size shall be 300mm x 300mm x 9mm as per drawing no. (O&M) x 137 (Rev.3)	Yes
3.	Tolerance as per drawing no. (O&M) x 137 (Rev.3)	Yes
4.	Marking shall be word 'UGVCL' and manufacturer / trade	Yes
5.	Weight shall not be less than 6.5Kg.	Yes

PART 'B'

Bidder has to enclose following documents and has to confirm for the same:-

Sr.No.	Particulars	Confirmation
1.	One No. of sample of C.I. Plate to be sent with tender	Yes
2.	List of machinery available.	Yes
3.	List of testing equipment available.	Yes

PART 'C'

Bidder has to mention technical deviation if any, quoting relevant clause of specifications, in Annexure-12 (of the tender document) only. Any deviation given elsewhere will not be considered & will be ignored.

Date:	Place:	Signature & Seal of the Tenderer
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