

Sub- Design & Construction of Perimeter wall for New Plant (Brahma) at Umaria, BEML Ltd, Bhopal.

- A. Boundary Wall Specifications.
- B. compound wall section is enclosed for reference only.
- C. Land drawing
- D. Integrity Pact

1. For better clarity ó Clarifications requested by firm was clarified by BEML, Civil department Bangalore complex. Same is as mentioned below:
2. 1. Frequency for Soil Testing & Surveying:

Minimum one borehole per 250 m or at every significant soil change.
Topographic and alignment survey is to be conducted covering the entire length.

2. Boundary Wall with RCC Details:

Contractor to develop full structural drawings with RCC detailing as per IS codes and site requirements. Site layout will be provided during site visit.

3. Type of Brick:

Locally available bricks of (230mm or 200 mm) are acceptable subject to compliance with IS standards- quality and strength conform to IS standards.

4. Y-Angle and Concertina Coil Section:

Contractor to adopt suitable MS Y-angle (e.g. 50 x 50x 6) with minimum space of 4-5õ in between rows of barbed wire and concertina coil. Detailed section to be submitted during design approval stage.

5. Drainage Layout (Valleys/Gratings/Culverts):

Contractor shall design necessary drainage features based on actual terrain and water flow, ensuring uninterrupted passage of natural water. Layout and sections to be submitted for approval.

6. Section for Katcha Road:

3.0 m wide internal patrol road to be constructed using murum/subgrade material with proper camber and compaction. Final section to be site-responsive.

7. Site Visit Authorization:

Site can be visited with prior coordination. Kindly contact:

Mr. Rajkishore Singh, BEML Ltd, Bhopal ó [8989459753] (Head-Bhopal)

8. Plastering Requirement:

Plastering is considered on both sides.

9. Plinth Beam Level from NGL:

To be maintained at minimum 300 mm above Natural Ground Level. Final levels to be confirmed after soil testing and survey.

10. EMD Exemption:

If you are registered under MSE category with valid UDYAM or NSIC certificate, EMD exemption will be applicable for as per government guidelines. Please attach valid proof. As per NIT.

11. Type of Brick to be used in Boundary Wall:

Fly Ash Bricks/AAC (machine-made): As per Indian Standard - Compressive Strength, Water Absorption etc., As design and approval is subject to testing and acceptance of material samples.

12. Basic Concept Structural Drawing :

Footing, RCC Columns, Plinth Beam, Top Beam: Concrete Grade: M20

Steel: Fe500-Reinforcement

Note: Actual working drawings shall be developed and vetted as per design scope.

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13. Drainage Layout: Shall be designed based on natural valley flow and site survey.

-RCC drain size with required Slope, Culverts to be provided at low points for cross flow.

14. Section of Patrol (Kachha) Road- 3.0 m Wide: Subgrade: 200 mm compacted earth

Sub-base: 150 mm GSB/Moorum Top Layer : 50 mm M-sand/moorum for levelling

To be suitable for light vehicle patrolling.

14. Design Responsibility and Vetting - This is a Design & Build EPC Contract. All structural, architectural and drainage designs shall be prepared by the bidder based on site conditions.

Obtaining Third-party proof checking of final design and drawings is mandatory from Government Institute, IITs, NITs, IISC. or equivalent institution and to be submitted before execution.

15. Reference Drawing: A typical compound wall section is enclosed for reference only.

Final drawings and construction methodology shall be as per approved design and site conditions.

All other Terms & Conditions of Bid, BOQ . 6300039933.