Sub. Nomenclature and special conditions for items of overhead/ cantilever sign boards.

Dear Sir,

In order to have uniformity in overhead/cantilever sign boards in respect of sheeting, height etc, following common nomenclature and special conditions are to be adopted for these works to be taken up in future.

**NOMENCLATURE:**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Item</th>
<th>Qty.</th>
<th>Unit</th>
<th>Rate</th>
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<tbody>
<tr>
<td>1.</td>
<td>Supply &amp; fixing of overhead/ cantilever type XI retro reflective sign plate made out of 3mm thick Aluminum Composite panel, faces to be covered with green type XI retro reflective sheeting and the matter &amp; logo with overlay film type of sheeting after the etching treatment of Aluminum sheeting. The backside of sheeting should be covered with two coats of epoxy/ Powder coating. This sheet shall be fixed on a frame of 40x40x5 angle Iron.</td>
<td>P. sqm.</td>
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<td>2.</td>
<td>Supply of steel structure in single section. Built up section/ frame from M.S. black pipes (medium duty) as per IS-1239 (part -1) 1979 with connecting plate and anchor bolts including cutting welding bolting fixing in position and applying primer coat of approved steel primer and two coats of synthetic enamel paint. including foundation bolts.</td>
<td>PMT</td>
<td></td>
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<td>3.</td>
<td>Foundation work of foundation in RCC 1:2:4 including excavation, reinforcement, Shuttering backfilling &amp; removal of excess earth as per drawing.</td>
<td>Each</td>
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<td>4.</td>
<td>Erection with gantry crane at site including nut bolting etc.</td>
<td>Each</td>
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Special Conditions:

The contractor should submit followings as per IRC -67/2010 (latest addition). :-

(i) A current dated authorization certificate issued by the micro prismatic type XI retro reflective sheeting manufacturer stating that the contractor is authorized to participate in the said tender and offer micro prismatic sheeting. The certificate should be in original and issued by the retro reflective sheeting manufacturer or its subsidy in India. Certificate issued by distributor dealer/ power of attorney holder shall be disqualified.

(ii) A 7 year warranty, in original issued by the retro reflective sheeting manufacturer or its subsidiary in India. The warranty shall be for micro primitive type retro reflective sheeting confirming to ASTM D 4956-09 type XI sheeting the warranty should be in original and jointly signed by the authorized converter.

(iii) A sample not less than 06 inch x 06 inch without joints of the proposed sheeting shall be enclosed with tender.

(iv) A copy of laboratory test report from a reputed and independent laboratory must be submitted. The proposed sheeting should have been tested for various performance such as coefficient of retro reflection, color fastness, shrinkage, peeling, blistering adhesive etc. as per test method prescribed by ASTM D4956-09 and ASTM E-810. The report should be clearly mentioned the sheeting to have passed all the above tests.

(v) A certificate from the micro prismatic retro reflective sheeting manufacturer stating that the tenderer is a authorized converter and possesses the requisite infrastructure such as HSRA etc. Equipment, which is necessary for fabrication of retro reflective signboards.

(vi) The retro reflective sheeting shall be type XI of ASTM D4956-09. The sheeting manufacturer shall also provide test data showing that the sheeting has met the requirements for 36 months of outdoor weathering along with tender. This test data shall be gathered in accordance with ASTM D 4956-09 and by an independent test laboratory.

(vii) 10 years warranty of participating tenderer that the sheeting shall retain at least 75% of the original retro reflectance.

The related drawings are enclosed for reference. It is further to inform that the above nomenclature and conditions super seeds the nomenclature of Technical Sanction issued and is to be adopted in future tenders for overhead/cantilever sign boards.

Unit heads may initiate action for inviting the tenders except for those boards for which the details have been sent by you to Sitapura unit as for these boards Sitapura unit will invite the tenders. The tenders excluding for which requirement has been sent to Sitapura unit are to be invited at the level of unit office in future keeping the above nomenclature and conditions.

Thanking you,

Yours faithfully,

(P.K. Mittal)
Addl. Chief Engineer
Encl. As above
Design & Drawing of Overhead Cantilever Sign Board

Sheet of 2.1m height to be fixed

Foundation Detail
DETAILED DRAWING & DESIGN OF OVER HEAD SIGN BOARD

750mm Eq. 88N.B. (H) 25N.B. (H)

1.20m

6.0 M

A

300 N.B.

40 NB

B

300 N.B.

Foundation Detail

Sheet of 1.80m height to be fixed

SIDE VIEW