राष्ट्रीय राजधानी क्षेत्र दिल्ली सरकार

GOVT. OF NATIONAL CAPITAL TERRITORY OF DELHI

लोक निर्माण विभाग

PUBLIC WORKS DEPARTMENT

कार्यालय अपर महानिदेशक (अनु. एवं सेतु)

OFFICE OF ADDITIONAL DIRECTOR GENERAL (M&F)

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कार्यालय ज्ञापन

विषय: Standard mandatory conditions for Retro-Reflective Signages

To ensure uniformity and improved visibility of road signage work on PWD, GNCTD Roads, it is essential to establish standardized guidelines for the use of retro-reflective signages. In this regard the mandatory specifications / conditions are given below to be incorporated in NITs related to providing and fixing Retro Reflective Road Signages on PWD Roads:

1. The bidder may be an OEM, an authorized converter of the OEM or any entity not related to OEM.

   (a) If the bidder is an OEM, they must provide a certification and an authorization letter in favour of the person responsible for executing the work on-site after award of work.

   (b) If the bidder is an authorized converter of an OEM, they must submit a valid authorization certificate from the OEM before the work begins.

   (c) If the bidder is another contractor, after award of work, he will have to submit a Memorandum of Understanding (MoU) with the authorized converter through an affidavit on a non-judicial stamp paper of Rs. 100/- and the converter's valid authorization certificate issued by the OEM.

2. The retro reflective sheet should be digitally printed, micro-prismatic conforming to Type-XI of IRC 67-2022 and ASTM: D4956-17.

3. The warranty period for retroreflective sheeting shall be 10 years from date of installation.

4. The retro-reflective signs should be pressure fixed on top of a retro-reflective sheeting base, covering the entire sign facia (from end to end).

5. The retro-reflective signage should include QR code mandatorily. The label/QR code should be printed on the bottom right corner of the signage of size 5 cm x 5 cm containing details such as the manufacturer's name, manufacturing date, reflective sheeting code, warranty information etc.
6. The signboard should be fabricated using a system of compatible components including reflective sheeting, overlay films, and digital inks all manufactured and supplied by only the authorized converter of OEM or by the OEM itself and not by different entities.

7. The reflective sheeting manufacturer should be the authorized convertor / applicator of the OEM and must provide back-to-back guarantee. In this regard, he will be required to submit a notarized affidavit on Rs. 100/- non-judicial stamp paper. This warranty should

ensure free replacement for any defects during the warranty period of 10 years covering both digital printer and digital ink as approved by the reflective sheeting manufacturer.

8. The digitally printed traffic colors (as required) on white sheeting must have a retroreflective coefficient value of not less than 70% of the specified value for that color and type of sheeting as per IRC Standard (Table-6.9 of IRC 67-2022 used for Traffic Control and Guidance Signs and Table-1 of ASTM D 4956-19).

9. **Minimum field performance:** The lowest bidder must submit a back-to-back affidavit from the authorized applicator or OEM ensuring provision of a reflectometer for checking the reflectivity of the sheets during the execution period and throughout the warranty period at least four times a year (once in a Qtr.). The reflectivity must not fall below 80% (in dry condition) of the specified values at any point (IRC-67/ASTM D4956-17). When wet, the reflectivity shall not be less than 90% of the minimum retro-reflection values as specified in IRC.

10. The contractor is required to submit an undertaking backed by notarized affidavit of Rs. 100/- value on a non-judicial stamp paper from authorized convertor of OEM or by OEM itself before finalization of work stating:
"It is certified that the sheeting has undergone testing at a reputable laboratory under protected outdoor exposure conditions. No significant degradation in performance or manufacturing ingredients has been observed after the initial development and outdoor exposure testing. I/we hereby indemnify the government against any losses resulting from the supply of inferior materials. Further, I/we agree to replace any defective materials at no cost to the department within a period of 10 years from the date of supply"

11. The contractor must submit a 'Lot Manufacturing Certificate' from the authorized convertor of OEM or OEM itself, certifying that the material used for the signage has been manufactured by us under lot number _____. The details provided in the QR code must match with the lot number certified in the certificate.

12. If any information submitted by the contractor, authorized converter, or OEM is found to be incorrect, misleading, or false at any time during the execution of the work or during the warranty period or at any point of time, legal action may be initiated against the concerned by the Govt including blacklisting from participation in PWD, GNCTD and CPWD (directly or indirectly).

13. **Additional security deposit of 5% for signage works for 10 years.**
An additional 5% (five percent) security deposit shall be retained for a period of 10-year warranty after completion of work. The contractor shall submit a quarterly certificate of reflectivity testing conducted using a reflectometer either by the OEM or from their authorized convertor.

01.01.2026

(प्रदीप गुप्ता)
अपर महानिदेशक (अनु. एवं सेतु)

प्रतिलिपि:

1. विशेष कर्तव्यस्थ अधिकारी (OSD), माननीय मंत्री, लो.नि.वि., रा. रा. क्षेत्र, दिल्ली सरकार।
2. निजी सचिव (PS), अपर मुख्य सचिव, लो.नि.वि., रा. रा. क्षेत्र, दिल्ली सरकार।
3. प्रमुख अभियंता, लो.नि.वि., रा. रा. क्षेत्र, दिल्ली सरकार।
4. सभी मुख्य अभियंता, अधीक्षण अभियंता, कार्यपालक अभियंता, सड़क अनुरक्षण, लो.नि.वि., रा. रा. क्षेत्र, दिल्ली सरकार इस आशय के साथ कि सभी अधिकारी इसका पालन करेंगे।
5. लो.नि.वि., रा. रा. क्षेत्र, दिल्ली सरकार वेबसाईट।
6. गार्ड फाईल