

**CE East-M Inspection dated 20.02.2016**

**Works under EE-East Roads (M-212)**

No. 20(5) /WA/CE(East)M/PWD / 71 - E

Dated : 20.02.2016

**Present:**

1. Sh. Vijay Kumar, SE-East.
2. Sh. Iqbal Singh, EE-East Roads (M-212).
3. Concerned AEs and JEs.
4. Concerned Agencies.

**The following observations were made during the inspection. EE should check at all the places and ascertain the similar defects are rectified at all the places. SE should also review the same and satisfy himself that all the observations are complied with by the field staff.**

- i. The work is delayed as per the original schedule. Contractor intimated that it is due to late issuance of structural drawings of foundation work and also due to non-payment of 1<sup>st</sup> RA bill. As per EE, payment cannot be made for want of budget allotment. The pile load test was under progress and steel reinforcement cages were lying at site. Contractor was assured that department will try to make all efforts to release his current dues. He was also asked to expedite progress of work
  - ii. EE to immediately finalize the design and make of the bearing.
  - iii. Quality of welding to be ensured and all necessary tests be conducted.
  - iv. EE to ensure that proper curve setting is done on ground at both ends of the proposed bridge while carrying out the work of approaches.
2. **Name of work:** Construction of Service Road of NH-24 Delhi bound carriageway from Mayur Vihar Phase-II Underpass to Patparganj slip road.  
**Agency:** M/s Road Tech.
- i. Cracks were observed in plaster of parapet wall behind footpath at places. The strength of the plaster was also found weak there.
  - ii. The dwarf wall along footpath at some places was not in line and levels. It was giving wavy look.
  - iii. The precast RCC covers to be provided over the bell mouth area are generally prone to theft. This may be replaced with precast SFRC covers.
  - iv. No expansion joint was found in random rubble masonry wall which is not appropriate as per engineering design.

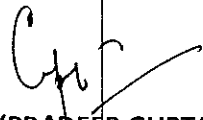
- v. The cement concrete coping over RR wall at some places was found cracked. This must be repaired / re-laid.
  - vi. Kerb stone joints to be checked as per specification.
  - vii. Some waste material stacks were found dumped at various places. These should be removed from site immediately.
  - viii. Lot of depressions and upheaves were found in WMM layer laid in the service road portion. The rolling does not appear to be proper as also observed due to loose material coming out easily. The density of the laid WMM layer be checked at all the places along with the total thickness of WMM and GSB layers.
  - ix. Some defects were found in stone masonry work.
3. **Name of work:** Remodelling of drains from Agrasen Apartment to Kirpal Apartment.  
**Agency:** M/s K.L. Arora.
- i. The heavy duty RCC precast covers were not of true rectangular shape. The casting of these covers have not been done in proper lines and levels. All the defective covers having weak strength and/or not cast in proper shape should be got removed and replaced with proper ones. Lot of gaps were also observed in between these covers due to this poor casting. Quality of concrete of cast-in-situ RCC slab of drain was also poor at no. of places.
  - ii. The level of the footpath and the kerb stone were not flushed at places. Also top level of drain was also not matching with the top level of the footpath at various places which will cause inconvenience to the pedestrians.
  - iii. The Bell mouth invert level was also not proper at many places which may cause water logging during monsoon season. It should be set right wherever levels are not proper.
  - iv. The bituminous work should not be carried out before proper taking proper initial levels properly. A check over quantities be also kept.
4. **Name of work:** Providing & fixing of RCC fabric railing.  
**Agency:** Sh. Dilshan Khan
- i. The grinding of joints not being carried out to remove excessive flux. The grinding of welded joints must be carried out before application of primer.
  - ii. The Quality of the primer and paint must be ensured as per the specification and a proper record of the material should be maintained.

- iii. The safety measures like use of helmet, safety belt were not found in use by the workers. This must be ensured.
- iv. In some portion, the size of steel structural angle used at bottom is not as per the Agreement. This should be got removed and replaced with the angle of proper size.
- v. The gauge of IRC steel fabric could not be checked in absence of measuring equipment such as screw gauge. All such testing instruments must be available at site to exercise proper checks during execution.

5. **Name of work:** Improvement & widening of road at T-point at Kotla Road and Khichripur road near Kondli bridge.

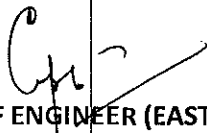
**Agency:** M/s D.P. Associates.

- i. The foundation of the column for boundary wall work was in progress – the projection from the column face to edge of the footing was not uniform all around.
- ii. The curve setting must be designed by an expert transportation consultant before executing the road work to ensure smooth flow of traffic later.

  
(PRADEEP GUPTA)  
CHIEF ENGINEER (EAST)-M

Copy:

1. OSD(PWD) to Hon'ble Minister, Govt. Of Delhi, A-Wing, th Level, Delhi Secretariat, IP Estate, New Delhi.
2. The Pr. Chief Engineer (PWD)/M, 12<sup>th</sup> Floor, MSO Building, New Delhi.
3. The Superintending Engineer (East) PWD, Govt of Delhi, Delhi Sachivalya, New Delhi.
4. The Executive Engineer, East Roads Maintenance, PWD, Govt. of Delhi, Patparganj, Delhi.

  
CHIEF ENGINEER (EAST)-M