



Inspection Report of Chief Engineer (North), PWD on 05-09-2016

School Buildings and Roads under jurisdiction of the SE (North) were inspected by the undersigned on 05-09-2016 alongwith Shri S. K. Agarwal, SE (North), Shri J P Singh, EE (North Building) having additional charge of North Roads also. Concern AEs/JEs of Buildings were also present during the inspection

विद्यालय परिसर / School Buildings:

Following five school buildings/premises were inspected:

| विद्यालय | वर्तमान स्थिति / निरीक्षण रिपोर्ट |
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| जी.बी.एस.एस.एस., शाहबाद डेयरी, | Presently the buildings (3 blocks; 2 storied load bearing structures) are unoccupied; as students have been shifted to other school buildings in nearby area. Wide cracks especially at lintel and ceiling levels are visible in the structure; thus school building (constructed by DSIIIDC during 2012) has become unsafe for school children. These unsafe buildings are required to be demolished to prevent mishap and new building is to be constructed. |
| उपदेश कौर कन्या विद्यालय, दरियापुर कलां | School buildings consist of 3 blocks; 2 storied load bearing structures. One block is very unsafe (open cracks, opening/displacement of outer walls etc are visible and may fall during rain, earthquake etc without warning) and has been fenced after vacation to avoid mishap. In another block wide cracks especially at lintel and ceiling levels are visible in the structure; thus school building (constructed by DSIIIDC during 2010-12) has become unsafe for school children. These unsafe buildings are required to be vacated for demolition to prevent mishap and new building is to be constructed. 3 rd Block is newly constructed and no defects are apparent during inspection. |
| जी.बी.एस.एस.एस., कटेवडा | Single storied load bearing structure is very old (opened during 1960-70s) & deteriorated to be repaired economically become unsafe requires to be demolished and reconstructed. This block is totally vacated and classes / school is run in the other newly constructed blocks, which were found to be in good conditions. |
| सर्वोदय बाल विद्यालय, नांगल ठकरान | Four storied building (load bearing structure) was constructed during year 1983. The structure has deteriorated over a period of time, vide cracks, dilapidated RCC members, rusted reinforcement, tilted walls etc are visible almost on all the sides and levels thus building is beyond repairable and requires to be demolished. The matter reported to school authority vide letter No. 23(35)/EE/ DB/EE(N)/2016-17/1257 dated 31.05.2016 (Copy enclosed). |

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| विद्यालय, ई ब्लॉक, जहांगीरपुरी | School buildings consist of 2 blocks; 2 storied load bearing structures. One block is unsafe (open cracks, opening/displacement of outer walls etc are visible and may fall during rain, earthquake etc) and on request of the EE, PWD has been vacated by the school authority to avoid mishap. 2 nd Block is newly constructed and no defects are apparent during inspection, and is under use by the school authority |
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The detailed note along with the history of construction of building, drawings, photographs, list of structural defects etc. should be submitted school wise, so that case may be submitted to Director (Education) for further safety measures and necessary action in this regard.

सड़कें / Roads:

During visit to schools, on the way roads were also inspected.

1. Near Shahbad Dairy part stretch is found damaged due to leakage in DJB water lines, matter should be taken up with DJB. After arrest of leakages by DJB, the road should be repaired.
2. Near Prahalad Pur near JJ colony heaps of garbage were noticed, matter to be taken up with NoDMC so that garbage does not spill over the carriageway and also does not cause its way in to the drains. Encroachments by Bamboo, furniture seller were also noticed. The drain repairing was also in progress, it needs improvement in plaster work to maintained line & level.
3. On the way to Pooth Khurd, Bawana, Katewada etc; it is observed that number of speed breakers have been provided on the carriage ways; all unauthorised and speed breakers not as per IRC standard are to be removed.
4. Drain covers were found to be provided near the residential, commercial areas. JE/AE roads to inspect the roads intensively and any damaged/missing drain covers are to be replaced immediately.

SE (North), EE (Roads) should get them rectified immediately.

बागवानी कार्य / Horticulture Works:

It is observed that although greening by plantations in central verge is done on large scale but still gaps were visible and to be covered with fresh plantations, manure, good earth also requires to be provided during plantation.

DDH / ADH should ensure early action in this regard.

निर्माण कार्य / Maintenance Works:

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| Name of work: - | EOR to Government Boys Senior Secondary School, Katewara Delhi during 2015-16 SH: Making a path from road to main building & repair to seepage & P/L layer blocks in front of staging and concertina coil on boundary wall. |
| Agency: - | Shri Vinod Bhardwaj |
| Agreement Number: - | 29/EE/PWD M 322/2016-17 |
| Agreement Amount: | Rs. 18,37,859/- |
| Date of Start:- | 06.06.2016 |
| Date of Completion: - | 05.09.2016 |

It is observed that the stipulated date of completion is over but only about 25% work was completed. The Paver Blocks pavement in the court yard was checked and following defects were noticed:

- I. Paver Blocks with "SP" marked used which is not the approved brand. Quality and thickness of the blocks was also not up to mark. The thickness of compacted bed of coarse sand was less than 50 mm and quality/grading of sand was also not as per specifications. All this has resulted undulations on the finished pavement, hence to be removed completely for relaying with approved materials and specifications to have smooth. Even pavement surface.
- II. Compacted bed of dry brick aggregates was well below the 75 mm thickness specified.
- III. Kerb Stones were not of good quality and joints were quite wide then specifications.

SE (North) should ensure that such type of poor quality of work should be thoroughly inspected and action should be taken against the officers responsible.

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19/9/2016
Chief Engineer
PWD North Zone

Copy to :

1. Pr. Chief Engineer (Maint.), PWD (GNCTD), New Delhi for information please.
2. SE (North), PWD (GNCTD), New Delhi for submission of consolidated ATR.
3. EE (North), Building Division, PWD (GNCTD), New Delhi for submission of ATR.
4. EE (North), Road Division, PWD (GNCTD), New Delhi for submission of ATR.
5. Dy. Director (Hort.), PWD (GNCTD), New Delhi for submission of ATR.
6. EE (P) / AE (P), Quality Assurance O/o CE (North), PWD.
7. Guard File

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19/9/2016
Chief Engineer