

NOTE

Sub:- Raising of guide-bund on Br no.31 (12x45.70) U/S, D/C and both backs.

Ref:- Technical Report of Central Water & Power Research Station (CW&PRS), Pune.

It has come to notice that report of Central Water & Power Research Station (CW&PRS), Pune consider design discharge of river Yamuna as 12750cumec. This impacts design HFL for new Yamuna bridge as well as protection work. HFL to be considered will be higher as compared to previous one.

It is also noted that a new bridge is proposed about 30m upstream of existing Bridge No. 31 (12x45.70m span). A drawing showing the land plan along with guide bunds as well as existing bridge is enclosed. It is felt that existing guide bunds (upstream, downstream both banks) will be impacted by new proposed bridge as part of 3rd/4th line Anand Vihar-Tilak Bridge doubling project. It is therefore proposed that design modification/ enlargement/ raising/ widening as considered necessary based on updated CW & PRS report of 2007 and other technical consideration may be carried out by construction dept. already executing the doubling project.

CAO/C may please be advised to take up said work on priority please.

[Signature]
16/03/21
Dy.CE/BD

CBE

~~CPD/BW~~

CAO/C will be advised accordingly *[Signature]*

[Signature]
16.03.2021

~~PCE~~

Above work is essential. GM may kindly approve for advising CAO/C for undertaking the above work.

~~GM~~

[Signature]
16.3.21

महाप्रबंधक के
लिए प्राप्त
दिनांक..... 16/3

Most urgent. Please plan for completion within time bound manner and before the onset of monsoons.

CAO/C

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CE/C/C

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Dy CE/CSB/1

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17/03/2021
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Brief in c/w Amrut Bio Diversity Park, Yamuna river plains/banks: NORTHERN RAILWAY

- Yamuna Bridge (Bridge no-31) exists on GAL in NDLS-GZB section.
- The length of the bridge is 550 m with 12 spans each of 45.72 m (150 feet).
- Railway bund level : MSL 206 m (Length: LHS 1000m approx. and RHS 500 m approx.)
- Railway bund breach level : MSL 205.62m (Length: 7m approx)
- IFCD bund level : MSL 208 m
- On the direction of MoEF in 2007, DDA got Hydraulic Model studies conducted through Central Water & Power Research Station (CW&PRS), Pune for construction of CWG Village
- CW&PRS, Pune in 2007 recommended the raising and strengthening of this railway bund
- Railways is constructing a new Yamuna Bridge 30 m on up-stream of the existing Yamuna bridge, considering the HFL data of 207.13 m as recommended by CW&PRS . Considering 1 m free board the required level of bund should be 208.13 m.
- The raising of bund level will also require widening of the existing bund, which can be possible after cutting of 1500-2000 trees approx.
- SCOPE OF WORK REQUIRED: raising of Guidebunds, which exists on U/S, D/S and both banks approximately of 1500 m length. Raising will be in the range of about 2.25 m.
- The work can be charged/taken up as part of the work of new Yamuna bridge/ Doubling, being operated by CAO/C.