

No.: L/IISLT/ENGR/CTP-15C/CONT/EOT/0820/1934

Date: 22.08.2020

To,
The Engineer,
 OCG Consortium, 3rd Floor,
 Pragati Maidan Metro Station Building Complex,
 New Delhi 110001

KIND ATTN: Mr. Noboru Nakagawa (Project Director)

PROJECT: Design & Construction of 03 special steel bridges over existing railways & across rivers Yamuna & Hindon, involving Bridge structure, Approaches in Embankments, Guide bunds & protection works including Testing & Commissioning on Design-Build Lump Sum price basis for Rewari - Dadri section of Western Dedicated Freight Corridor (Phase-2) (CA No. HQ/EN/PWC/PHASE-II PKG-15C/D&B/7/IIS-L&T Consortium)

Sub: Claim for additional time due to stoppage of Works (Contractor's interim EOT-12 Application)

- Ref: 1) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0320/1761 dated 19.03.2020
 2) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0320/1765 dated 23.03.2020
 3) Engineer's letter L/OCHC/DFCC/CMT/CTP-15C/2003/ dated 26.03.2020
 4) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0320/1767 dated 28.03.2020
 5) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0320/1768 dated 30.03.2020
 6) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0320/1769 dated 31.03.2020
 7) Engineer's e-mail dated 31.03.2020
 8) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1770 dated 01.04.2020
 9) Engineer's letter L/OCGC/DFCC/CMT/GEN/2004/ dated 01.04.2020
 10) Engineer's email dated 01.04.2020 regd. Checklist for Implementation of Lockdown Measures
 11) Engineer's letter L/OCGC/DFCC/CMT/GEN/2004/ dated 02.04.2020
 12) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1771 dated 02.04.2020
 13) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1773 dated 03.04.2020
 14) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1774 dated 04.04.2020
 15) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1775 dated 06.04.2020
 16) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1776 dated 07.04.2020
 17) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1777 dated 08.04.2020
 18) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1778 dated 09.04.2020
 19) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1781 dated 10.04.2020
 20) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1782 dated 11.04.2020
 21) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1783 dated 13.04.2020
 22) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1784 dated 14.04.2020
 23) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1785 dated 15.04.2020
 24) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1786 dated 15.04.2020
 25) Engineer's letter L/OCGC/DFCC/CMT/GENL/2004/35304 dated 15.04.2020
 26) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1787 dated 16.04.2020
 27) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1788 dated 17.04.2020
 28) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1789 dated 17.04.2020

Registered Office: L&T House, N.M.Marg, Ballard Estate, Mumbai - 400 001, INDIA
 CIN:L99999MH1946PLC004768

Head Quarters: Larsen & Toubro Limited, L&T Construction, Heavy Civil Infrastructure, Mount Poonamallee Road, Manapakkam, P.B. No.979, Chennai – 600 089, INDIA

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- 29) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1790 dated 18.04.2020
- 30) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1791 dated 20.04.2020
- 31) Engineer's letter L/OCGC/DFCC/CMT/GEN/2004/36010 dated 20.04.2020
- 32) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1792 dated 21.04.2020
- 33) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1793 dated 21.04.2020
- 34) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1794 dated 22.04.2020
- 35) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1795 dated 23.04.2020
- 36) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1796 dated 24.04.2020
- 37) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1797 dated 25.04.2020
- 38) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1798 dated 27.04.2020
- 39) Engineer's letter L/OCGC/DFCC/CMT/GEN/2004/36121 dated 27.04.2020
- 40) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1799 dated 28.04.2020
- 41) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1800 dated 29.04.2020
- 42) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1801 dated 29.04.2020
- 43) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1802 dated 30.04.2020
- 44) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0420/1803 dated 01.05.2020
- 45) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1804 dated 02.05.2020
- 46) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1806 dated 04.05.2020
- 47) Engineer's letter L/OCGC/DFCC/CMT/GENL/2005/36266 dated 04.05.2020
- 48) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1807 dated 05.05.2020
- 49) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1808 dated 06.05.2020
- 50) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1809 dated 07.05.2020
- 51) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1814 dated 08.05.2020
- 52) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1815 dated 09.05.2020
- 53) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1816 dated 11.05.2020
- 54) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1817 dated 12.05.2020
- 55) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1819 dated 13.05.2020
- 56) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1820 dated 14.05.2020
- 57) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1821 dated 15.05.2020
- 58) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1822 dated 16.05.2020
- 59) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1823 dated 18.05.2020
- 60) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1826 dated 19.05.2020
- 61) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1829 dated 20.05.2020
- 62) Engineer's letter L/OCGC/DFC/CMT/GEN/2006/37436 dated 22.06.2020
- 63) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1830 dated 21.05.2020
- 64) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1831 dated 22.05.2020
- 65) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1832 dated 23.05.2020
- 66) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1834 dated 25.05.2020
- 67) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1835 dated 26.05.2020
- 68) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1836 dated 27.05.2020
- 69) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1838 dated 28.05.2020
- 70) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1839 dated 28.05.2020
- 71) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1840 dated 29.05.2020
- 72) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0520/1842 dated 30.05.2020
- 73) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1844 dated 01.06.2020
- 74) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1847 dated 02.06.2020
- 75) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1848 dated 03.06.2020
- 76) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1849 dated 04.06.2020
- 77) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1851 dated 05.06.2020
- 78) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1852 dated 06.06.2020
- 79) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1853 dated 08.06.2020
- 80) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1855 dated 09.06.2020

- 81) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1859 dated 10.06.2020
- 82) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1860 dated 11.06.2020
- 83) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1863 dated 12.06.2020
- 84) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1864 dated 15.06.2020
- 85) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1865 dated 16.06.2020
- 86) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1866 dated 17.06.2020
- 87) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1867 dated 18.06.2020
- 88) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1869 dated 19.06.2020
- 89) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1876 dated 22.06.2020
- 90) Engineer's letter L/OCGC/DFCC/CMT/GEN/2006/37436 dated 22.06.2020
- 91) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1878 dated 23.06.2020
- 92) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1879 dated 24.06.2020
- 93) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1883 dated 29.06.2020
- 94) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1884 dated 30.06.2020
- 95) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1885 dated 01.07.2020
- 96) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0620/1887 dated 02.07.2020
- 97) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0720/1888 dated 02.07.2020
- 98) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0720/1890 dated 03.07.2020
- 99) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0720/1895 dated 04.07.2020
- 100) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0720/1897 dtd 06.07.2020
- 101) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0720/1897 dtd 06.07.2020
- 102) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0720/1903 dtd 11.07.2020
- 103) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0720/1906 dtd 16.07.2020
- 104) Contractor's letter L/IISLT/ENGR/CTP-15C/CONT/GEN/0720/1911 dtd 23.07.2020
- 105) Engineer's letter L/OCGC/DFCC/CMT/CTP-15C/2008/38907 dated 14.08.2020

Dear Sir,

This is in reference to the subject matter and the letter under reference [105] as above, wherein the Engineer has sought the Contractor's views, which are as stated hereinbelow, for the purpose of his determination:

1. Response to first paragraph of the Engineer's cover letter OCGC/38907 dated 14.08.2020:

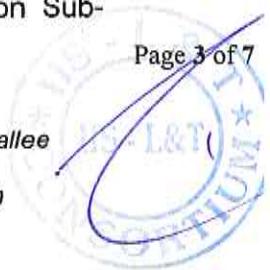
The Contractor clarifies that the interim EOT-12 claim highlighted the delays and costs due to the changes in Laws by legally constituted public authorities, requiring stoppage of Works, complying with the changes in Standard Operating Procedures and also its consequential effects such as the migration of manpower to their hometowns and disruptions in material procurement and equipment mobilization and transportation.

2. Response to point 2.2, 2.3, 2.4 & 2.5:

The Contractor agrees with the Engineer's assessment that the construction activities were totally prohibited (round the clock) during the lockdown period as per various orders by legally constituted public authorities.

3. Response to point 2.2, 2.3, 2.4 & 2.5:

The Contractor clarifies that the Contractor's claim towards entitlement for additional time and costs vide EOT-12 claim letter IISLT/1911 dated 23.07.2020 was based on Sub-



Clause 13.7 of GCC/PC, and not as per Sub-Clause 8.5, 19.1 & 19.4 of GCC/PC as stated by the Engineer.

The relevant terms of the Contract are as follows:

GCC/PC Sub-Clause 1.1.6.5 states that:

"1.1.6.5 "Laws" means all national (or state) legislation, statutes, ordinances and other laws, and regulations and by-laws of any legally constituted public authority."

GCC/PC Sub-Clause 13.7 reads as:

"13.7 Adjustments for Changes in Legislation

The Contract Price shall be adjusted to take account of any increase or decrease in Cost resulting from a change in the Laws of the Country (including the introduction of new Laws and the repeal or modification of existing Laws) or in the judicial or official governmental interpretation of such Laws, made after the Base Date, which affect the Contractor in the performance of obligations under the Contract.

If the Contractor suffers (or will suffer) delay and/or incurs (or will incur) additional Cost as a result of these changes in the Laws or in such interpretations, made after the Base Date, the Contractor shall give notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

- (a) **an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and**
- (b) **payment of any such Cost, which shall be included in the Contract Price.**

After receiving this notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters."

The restrictive orders by the State Governments of Haryana; Uttar Pradesh; National Capital Territory (NCT) of Delhi and the Ministry of Home Affairs, Government of India to completely stop the Works and subsequently follow new Standard Operating Procedures while working, constitutes as changes in the prevailing Laws after the Base Date. Consequently, the Contractor suffered delays and incurred additional costs. Therefore, Sub-Clause 13.7 of GCC/PC is more appropriate when compared to other Clauses.

We respectfully request you to consider the delays as per the aforesaid Sub-clause and proceed in accordance with Sub-Clause 3.5 of GCC by taking due regards of all relevant circumstances to grant additional costs and interim additional time for the Milestone MS-2 up to 15.05.2021 and subsequent Milestones accordingly.

4. Response to point 2.6. i:

No further comments/ clarifications required.

5. Response to point 2.6. ii:

The Contractor clarifies that the monsoon rains and the associated flood conditions have adversely impacted the Contractor's construction activities in recent years. The Contractor would like to refer our earlier letters wherein we have elucidated the flood situation in the project locations which are stated below:

5.1. In the year 2018, the Contractor communicated the effect of Yamuna monsoon-induced flood situation vide letters IISLT/1264 dated 31.07.2018, 2018/FO/CPM-Noida/0106 dated 25.09.2018 and IISLT/1320 dated 03.10.2018.

5.2. The Yamuna river monsoon-induced floods were more severe in the year 2019 and the Contractor communicated its effects on the Project vide IISLT/1627 dated 19.08.2019, IISLT/1628 dated 21.08.2019 (Order from Sub-District Magistrate office, Gautam Buddh Nagar on the matter, attached therein) and IISLT/1645 dated 12.09.2019. The letters referred above in para 5.1. and 5.2. are attached herewith as Annexure-1.

Therefore, the Contractor disagrees with the Engineer's statement that the monsoon in the region is quite poor and does not normally cause major hold-ups. The Contractor could not execute the work as scheduled for the peak working season before the onset of monsoon due to the changes in Laws. Once the works slowly restarted after the long stoppage, the onset of monsoon has again severely hampered the progress of the planned construction works, particularly, the assembly of superstructure girders (service bolts tightening, HSFG bolts installation and torqueing, painting works and movement of cranes & equipment for girder component assembly) in Yamuna and Hindon Bridges, the left guide bund works of Yamuna Bridge and approach, stone pitching, return wall, fly wing wall, apron work and movement of embankment from borrow area in RFO-08 bridge, apart from the engagement and movement of manpower and equipment within site and to site for all works. The photographs in this regard are attached in Annexure-2 herewith. The Engineer is requested to consider the same in his determination.

6. Response to Point 2.6 iii:

The Contractor agrees with the Engineer's assessment of the period of work stoppage for the bridges - RFO-08 (Br. No. 136), Yamuna R (Br. No. 180) & Hindon R (Br. No. 188).

7. Response to Point 2.6 iv and 2.6 v:

No further comments/ clarifications required.

8. Response to Summary point 1):

No further comments/ clarifications required.

9. Response to Summary point 2):

The Contractor vide its daily letters from IISLT/1817 dated 12.05.2020 till IISLT/1906 dated 16.07.2020, provided the Brief Details of Project Details wherein it can be seen that the lockdown had caused approximately 50% of the workmen to leave for their

hometowns (in pre-lockdown and post-lockdown conditions).

The Engineer vide letter OCGC/35304 dated 15.04.2020, stated that the restrictive order was further extended till 03.05.2020 as per the MHA order dated 14.04.2020. The Engineer also stated that as per MHA order dated 15.04.2020, preparatory arrangements for Standard Operating Procedures (hereinafter called "SOPs") should be in place before an application seeking clearance for taking up construction work will be prepared and forwarded by the Employer to State/UT/District Administration. Vide the Contractor's letter IISLT/1789 dated 17.04.2020, notified that the resumption of works under change in situation construed to be a Variation in accordance with the Contract and would have an impact on time, loss of productivity and associated cost to the Contractor.

The Engineer vide letter OCGC/36450 dated 13.05.2020, instructed the Contractor to ensure compliance to the Employer-issued "SOP" for DFCCIL Project Sites Offices Post COVID-19 Lockdown" and to any further relevant orders issued by the Government of India, State Governments and District Administration.

By a letter OCGC/37436 dated 22.06.2020, the Engineer instructed the Contractor to follow the additional safeguard measures issued by JICA, which was modified by the Engineer. The Engineer, vide letter OCGC/37513 dated 23.06.2020, communicated the package-wise compliance to daily and weekly reporting of additional precautionary and preventive measures carried out on Site. As seen in the table enclosed therein, the Contractor has submitted daily and weekly compliance reports related to precautionary and preventive measures for COVID-19 mitigation and management as instructed by Engineer vide letter no. OCGC/37436 dated 22.06.2020.

Based on the actual facts, the planned activities are such that they require fixed minimum number of manpower in gangs to work in tandem to execute the activities. However, on account of maintaining social distancing, the constitution of the workmen gangs to effectively carry out the activities were affected. The work area was regularly sanitized, additional PPEs worn before works start or shifts changed and awareness drives & regular briefing on the extra precautions to be taken were carried out, among others. Subcontractors and suppliers found it increasingly difficult to supply equipment and material respectively, which became bottlenecks to the work progress and caused idling of workforce. The following Table-1 shows the planned vs. actual progress of critical activities in Yamuna and Hindon bridges in Jun '20 and Jul '20. The Contractor was able to achieve only <= 25% of the planned progress (i.e. >= 75% loss in efficiency). The documents referred in Table-1 below are attached as Annexure-3.

Table-1

Activity	Location	Plan		Actual		Planned % Complete
		Planned Progress	Ref.	Achieved Progress	Ref.	
Girder Bolt Tightening	Hindon	4 girders in Jun '20	OCGC/2521 dtd. 01.06.2020	1 girder in Jun '20	RFI: CTP-15C/4.3.3/0845D	25
Erection	Yamuna	8 girders in Jul '20	OCGC/2617 dtd. 01.07.2020	Nil girders in Jul '20	RFI: CTP-15C/4.3.3/933-936	0

The Contractor incurred delays in post-resumption of works, of over 45 days (75% of 60 days) over and above the aforesaid 55 days stoppage. The entitled EOT for Milestone MS-2 as on 15.07.2020 will be 30.06.2020 [EOT-10 grant for MS-2] plus 100 days which

is 08.10.2020. Further, the period [16.07.2020 to 30.10.2020, 107 days] falls in monsoon period which is a non-working period. Therefore, the Contractor's entitlement on revised MS-2 date is to be read as 08.10.2020 plus 107 days [monsoon] which is 23.01.2021. Adding 112 days for the EPCA's ban calculated vide EOT-11, the Contractor's total entitlement for MS-2 for delays accrued until 15.07.2020 will be 23.01.2021 plus 112 days which is 15.05.2021.

The Contractor reiterates that he is entitled to interim additional time to the Milestone MS-2 up to 15.05.2021 and subsequent Milestones accordingly including additional costs as per Sub-Clause 13.7 of GCC/PCC.

Therefore, the Contractor hereby requests the Engineer to revisit our earlier submission and determine the entitlement of the Contractor vide Sub-Clause 3.5 of GCC under the contract and accord the extension of time in favour of the Contractor.

The Contractor submits the letter without prejudice to any other rights & remedies that may be available to the Contractor as per the Contract Agreement and governing Laws.

Thanking you and assuring you of our best services at all times.

For IIS - L&T Consortium,



M. Kannan
 Authorized Signatory
 Project Manager, L&T, CTP-15C

Encl.: 1) Annexure-1: Contractor's letter notifying impact of monsoon floods in the year 2018 and 2019.
 2) Annexure-2: Present photographs of Site affected by monsoon.
 3) Annexure-3: Documents referred in Table-1.

CC: 1) Mr. Praveen Kumar, GGM, DFCCIL
 2) Mr. B. D. Garg, Dy. CRE, ZMT-4, OCGC
 3) Mr. Yukio Nakamura, Project Director, IIS-L&T Consortium

IHI**IIS – L&T CONSORTIUM**

Ref. No. – I/IISLT/ENGR/CTP 15C/CONT/GEN/0718/1264

Date: 31.07.2018

To,
The Engineer,
OCG Consortium, 3rd Floor,
Pragati Maidan Metro Station Building Complex,
New Delhi 110001

KIND ATTN: Mr. Katsuyuki Saito (Project Director)

PROJECT: Design & Construction of 03 special steel bridges over existing railways & across rivers Yamuna & Hindon, involving Bridge structure, Approaches in Embankments, Guide bunds & protection works including Testing & Commissioning on Design-Build Lump Sum price basis for Rewari - Dadri section of Western Dedicated Freight Corridor (Phase-2) -Special Steel Bridge Works Contract Package -15C, ICB No. CT P-15C (CA No. HQ/EN/PWC/PHASE - II PKG-15C/D&B/7/IIS-L&T Consortium)

Subject: Flood Alert in nearby vicinity of river Yamuna

Dear Sir,

This is in reference to the subject matter and the continuous downpour from the past one week which led to over flow of river Yamuna above the danger level. Considering the catastrophic situation, Officials of the Haryana Govt., subsequent to their visit to Yamuna Site of the project, cautioned about the declaration of flood alert by the Govt. of Haryana at Yamuna site.

Accordingly, the machineries deployed at Yamuna site were shifted to safer areas to safeguard them from the ingress of water. The water level of the river Yamuna was rising dangerously from the past week and were continuously monitored to avoid any untoward incident. Initially, areas up to Well P6 got submerged due to sudden rise of river water. But due to continuous rise in water level, areas up to abutment A1 got water-logged making the site work to come to halt. Besides, flood water submerged the access road to Yamuna site up to 0.5 m which compelled the Contractor to stop every site activity at the project site from 26.07.2018 night due to inaccessible condition of the site.

Considering the above situation, the Contractor in pursuant to CI No. 4.12, 19.1, 19.2, & 19.3 of GCC/PCC notifies the Engineer about the disruption caused due to critical flood situation at Yamuna project site, an unforeseeable Physical Condition and subsequent delays encountered / to be encountered because of the unavoidable situation.

Further, the Contractor is entitled to Extension of Time and Additional Costs incurred / to be incurred pursuant to CI 8.4, 19.4, & 20.1 of GCC, Vol-I of CA due to above-mentioned flood conditions not attributable to the Contractor at Yamuna project site.



Address: IIS - L&T Consortium, C/O Larsen & Toubro Ltd, Faridabad Office, Vatika Mind Scapes Tower 'A', 12th FL., 12/1, Sector-27D, Delhi Mathura Road, Near Sarai Khawaja Metro Station, Faridabad, Haryana - 121 003, INDIA
 Ph.:+91-129-6620600, Fax. : +91-129-6620610

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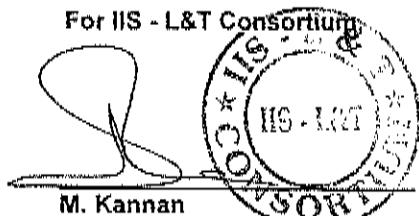


IIS – L&T CONSORTIUM

The aforesaid request will not prejudice any of the Contractor's contractual entitlements.

Thanking you and assuring you of our best services at all times.

For IIS - L&T Consortium



M. Kannan
Authorized Signatory
Project Manager L&T, CTP-15C

CC: 1. Shri. Hari Mohan Gupta, Chief Project Manager, DFCC
2. Mr. Mishima Teruki, Chief Resident Engineer, ZMT-4
3. Mr. Yukio Nakamura, Project Director, IIS-L&T Consortium

IIS – L&T CONSORTIUM

Ref. No.: 2018/FO/CPM-Noida/0106

Date: 25th September 2018

To,
The Engineer,
OCG Consortium, 3rd Floor,
Pragati Maidan Metro Station Building Complex,
New Delhi 110001

KIND ATTN: Mr. Katsuyuki Saito (Project Director)

PROJECT: Design & Construction of 03 special steel bridges over existing railways & across rivers Yamuna & Hindon, involving Bridge structure, Approaches in Embankments, Guide bunds & protection works including Testing & Commissioning on Design-Build Lump Sum price basis for Rewari - Dadri section of Western Dedicated Freight Corridor (Phase-2) –Special Steel Bridge Works Contract Package -15C, ICB No. CT P-15C (CA No. HQ/EN/PWC/PHASE - II PKG-15C/D&B/7/IIS-L&T Consortium)

Ref: 1. Contractor's letter no. L/IISLT/ENGR/CTP 15C/CONT/GEN/0718/1264 dated 31.07.18
2. Engineer's letter no. L/OCGC/DFCC/CMT/CTP-15C/1808/15367 dated 24.08.18

Subject: Flood Alert in nearby vicinity of river Yamuna

Dear Sir,

With reference to the subject matter, the Contractor vide letter cited at Ref-(1) above notified the Engineer about the flood situation prevailing at Yamuna site from 26.07.2018 night. The Contractor also informed about the submergence of access road to Yamuna site by the flood water which compelled him to stop every site activity despite having stringent schedule of completion. The Contractor was aware of the monsoon period and had taken every precaution so that the Project Works are least affected. The actual scenario of the Site was completely different as the Yamuna site got waterlogged due to severe flood condition not envisaged previously. Accordingly, the Contractor notified the Engineer about the delays encountered / to be encountered by him due to the prevailing flood situation, an unforeseeable physical condition, pursuant to GCC/PCC Sub-Clause 4.12, 19.1, 19.2 & 19.3 and claimed its rightful entitlement of Extension of Time and Additional Costs incurred / to be incurred as per GCC Sub-Clause 8.4, 19.4 & 20.1.

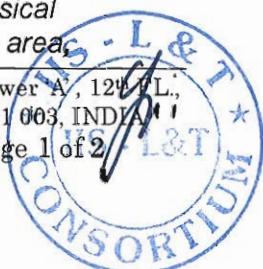
However, the Engineer vide its letter OCGC/15367 dated 24.08.2018 by pointing to GCC Sub-Clause 4.12 (Unforeseeable Physical Conditions) and GCC Sub-Clause 19.1 (v) (Force Majeure) determined that *the rainy season is not covered under "Unforeseeable Physical Conditions" or under "Catastrophic Situation"* and stated that "Contractor is not entitled to claim any cost and time" which we do not agree. It is submitted that, those **GCC** Sub-Clause 4.12 and 19.1 (v) have been superseded by and replaced with **PCC** Sub-Clause 4.12 and 19.1(v) respectively.

PCC Sub-Clause 4.12 states that, "*Unforeseeable physical conditions means unforeseeable natural physical conditions which the Contractor encounters at Site during the execution of the Works such as existence of quicksand phenomenon, rock vice soil, peaks and valleys in rock profile, voids and material prone to settlements and unforeseeable man made physical conditions such as uncharted utilities, piling artifacts, embedment in reclamation area,*

Address: IIS - L&T Consortium, C/O Larsen & Toubro Ltd, Faridabad Office, Vatika Mind Scapes Tower A, 12th Fl., 12/1, Sector-27D, Delhi Mathura Road, Near Sarai Khawaja Metro Station, Faridabad, Haryana – 121 003, INDIA

Ph.: +91-129-6620600, Fax. : +91-129-6620610

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flooding the project area by way of canal cutting, industrial disaster resulting in sudden release of poisonous gases/chemicals".

Also, PCC Sub-Clause 19.1 (v) (Force majeure) states that, "Natural Catastrophe which may include earthquake, volcanic activity, **floods** & storms of high intensity such as typhoons and hurricane".

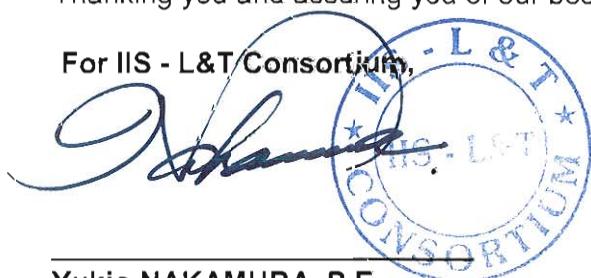
Hence, as per the abovementioned Sub-Clauses, the Contractor is rightfully entitled to receive Extension of Time amounting to **43 calendar days** and Additional Costs incurred / to be incurred pursuant to GCC Sub-Clause 8.4, 19.4, & 20.1 due to the said flood conditions not attributable to the Contractor at Yamuna Project Site. Therefore, we submit herewith the claim supporting documents including the delay analysis sheet comprising the details of project work hampered evidencing the actual impact of flood in days is attached as Annexure – A along with photographs of site during flood condition as Annexure – B for your furtherance. We are also enclosing herewith the cost details for 43 days which is enclosed herewith as Annexure –C.

We request you to kindly grant the extension of time for 43 days and cost amounting to **Rs 1,25,14,232** (Rupees One Crore Twenty Five Lakh Fourteen Thousand Two Hundred Thirty Two Only) pursuant to GCC & PCC Sub-Clause 8.4, 19.4, & 20.1 and oblige.

The aforesaid request will not prejudice any of the Contractor's contractual entitlements.

Thanking you and assuring you of our best services at all times.

For IIS - L&T Consortium,



Yukio NAKAMURA, P.E.

Authorized Representative

IIS-L&T Consortium

Encl: Annexure – A: Delay Analysis Sheet of Flood Situation

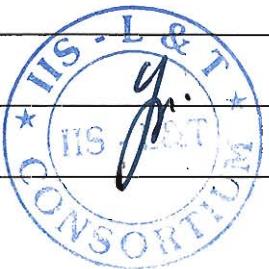
Annexure – B: Site Photographs of flood situation

Annexure – C: Details of cost incurred due to flood condition at Yamuna Project Site

CC: 1. Shri. Hari Mohan Gupta, Chief Project Manager, DFCC

2. Mr. Mishima Teruki, Chief Resident Engineer, ZMT-4

3. Mr. M. Kannan, Project Manager, CTP 15C

Annexure - A						
Delay Analysis sheet of flood situation at Yamuna Project Site						
Sl No.	Description of impacted site activity	Impact Schedule		Linkage	Total Impact in Days due to flood	Remarks
		Impact Start Date	Impact End Date			
		a	b			
1	Sinking of Well A1	26-07-2018	07-09-2018	1b - 1a	43	
2	Sinking of Well P1	26-07-2018	07-09-2018	2b - 2a	43	
3	Sinking of Well P2	26-07-2018	06-09-2018	3b - 3a	42	Near by vicinity sub-surface soil collapsed due to flood situation in well P2 hampering the sinking works
4	Construction work of Sacrificial Beam of P2	26-07-2018	05-09-2018	3b - 4a	41	
5	Reinforcement work and form work fixing of well P3	26-07-2018	07-09-2018	5b - 5a	43	
6	Cage lifting for pier cap of P5	30-07-2018	09-08-2018	6b - 6a	10	
7	Balance reinforcement work and side shutter fixing of P5 Pier Cap	10-08-2018	07-09-2018	7b - 7a	28	
8	De-shuttering work of side shutter for well P8	31-07-2018	13-08-2018	8b - 8a	13	Work hampered significantly due to waterlogged situation
9	De-shuttering work of bottom shutter and two nos. of structural beam (B1) of well P8	02-08-2018	07-09-2018	9b - 9a	36	
10	Reinforcement work of pier cap of P7	26-07-2018	07-09-2018	10b - 10a	43	Work hampered significantly due to waterlogged situation
Additional Work due to Flood						
11	Removal of slush from P2 to P5, P5 to P7 and P7 to P8 respectively					
12	Shifting of cranes from site					
13	Machineries and material shifting from P8 location					
14	Total Cumulative Delay till date (in days)			(07-09-2018) - (26-07-2018)	43	

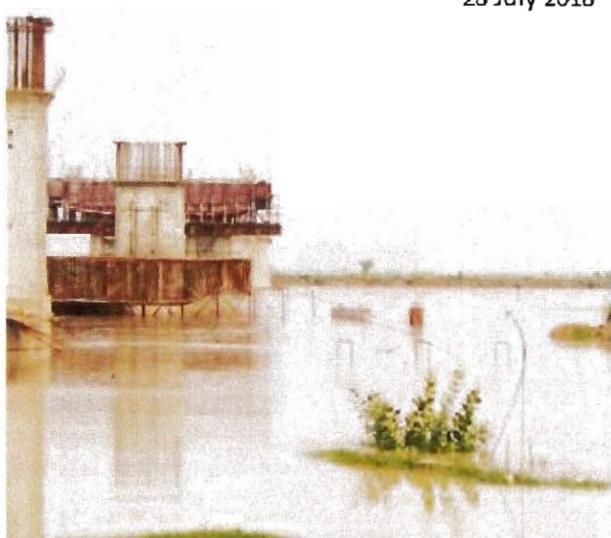
Annexure B – Flood Conditions at the Yamuna project site during the month of Jul-18 and Aug-18

25 July 2018

26 July 2018



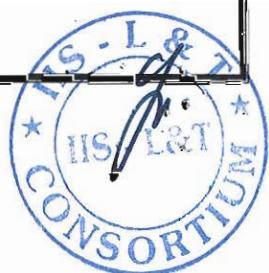
28 July 2018



02 August 2018



08 August 2018



Annexure - C

Cost incurred due to affect of Flood at Yamuna Project Site for 43 days

SI No.	Brief Particulars	Unit	Amount
A.	Contractor's Onsite Overheads	Rs	42,62,061
B	Cost incurred by Contractor due to engagement of equipments	Rs	46,46,974
C	Cost incurred by Contractor due to deployment of workers involved in miscellaneous works	Rs	20,74,932
D	Cost incurred due to idling of labours at Yamuna Project Site	Rs	15,30,265
Total cost incurred by the contractor due to flood condition at Yamuna Project Site		Rs	1,25,14,232
Rupees One Crore Twenty Five Lakh Fourteen Thousand Two Hundred Thirty Two Only			



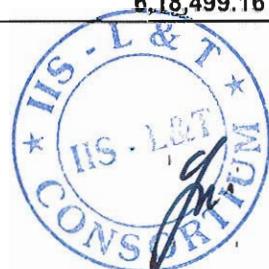
Cost incurred due to flood condition at Yamuna Project Site						
A. Contractor's Onsite Overheads						
Sl No.	Brief Particulars	Unit	Amount	Particulars		Remarks
				Jul-18	Aug-18	
a	Staff Expenses	INR	22,60,343.50	3,06,602.74	15,84,114.13	3,69,626.63 Considered 40% impact
b	Water and Power	INR	12,82,098.89	1,73,909.42	8,98,532.00	2,09,657.47
c	Conveyance Expenses	INR	6,80,715.33	92,335.16	4,77,065.00	1,11,315.17
d	Sundries - Miscellaneous Expenditure	INR	38,903.72	5,277.07	27,264.85	6,361.80
	Cost incurred by contractor on onsite over-heads from 26.07.18 to 07.09.18	INR	42,62,061.43	4,63,148.36	29,86,975.98	6,96,961.06

Reference - Cost Statement of July'18, Aug'18 & Sept'18
 N.B. Considered from 26-07-18 to 07-09-18



B. Cost incurred due to flood held at Yamuna Project Site

SI No.	Description	Asset Code	Contractor's plant & equipment in the extended period	
			Year - 2018	
			On Monthly Basis	
			Cost for July - 18	
		Hire Charges of July - 18		Total Cost for the month of July-18 (26.07.18 to 31.07.18)
a	b	c	d	e
1	BACKHOE LOADER JCB 3DX	01430ZFH	65,000.00	65,000.00
2	CRAWLER MOUNTED CRANE 75 T - T	2150697	3,11,000.00	3,11,000.00
3	CRAWLER CRANE 75T	0215510H	2,52,231.00	2,52,231.00
4	CRAWLER CRANE 75T	0215511H	2,81,846.00	2,81,846.00
5	CRAWLER CRANE 75T	0215516H	3,02,051.00	3,02,051.00
6	CRAWLER CRANE 75T	0215521H	3,37,923.00	3,37,923.00
7	Tyre Mounted crane - 14 T	2680033	91,000.00	91,000.00
8	PICK & CARRY CRANE - 12 T	2730286	65,000.00	65,000.00
9	CEMENT FEEDING PUMP-25 TPH	6860230	28,000.00	28,000.00
10	Batching Plant-30Cum/Hr	13260901	2,42,000.00	2,42,000.00
11	TRANSITMIXER 6CUM	13711BRH	1,15,564.00	1,15,564.00
12	TRANSITMIXER 6CUM	13711BSH	1,15,564.00	1,15,564.00
13	Transit Mixer - 6 cum	13730045	1,03,000.00	1,03,000.00
14	CONCRETE PLACING BOOM W/PUMP	13940163	3,25,000.00	3,25,000.00
15	MOBILE CONCRETE PUMP PLACER	13941410	3,25,000.00	3,25,000.00
16	INVERTER WELDING MACHINE - 400 AMPS	22245456	3,100.00	3,100.00
17	INVERTER WELDING MACHINE - 400 AMPS	22249168	3,100.00	3,100.00
18	INVERTER WELDING MACHINE - 400 AMPS	22264507	3,100.00	3,100.00
19	INVERTER WELDING MACHINE - 400 AMPS	22264515	3,100.00	3,100.00
20	AFD - TELE-LIGHTING MAST WITH DG SET	25231987	25,700.00	25,700.00
21	TELE-LIGHTING MAST WITH DG SET	25232533	25,700.00	25,700.00
22	POWER GENERATOR-30 KVA	25402129	20,100.00	20,100.00
23	POWER GENERATOR - 125 KVA	25700766	33,100.00	33,100.00
24	POWER GENERATOR - 250 KVA	25922360	46,100.00	46,100.00
25	Bar Bending Machine - 52 MM	30503663	6,000.00	6,000.00
26	BAR BENDING MACHINE - 52 MM	30534860	7,200.00	7,200.00
27	BAR SHEARING MACHINE - 52 MM	30583446	8,000.00	8,000.00
28	Bar Shearing Machine-42mm	30591589	8,000.00	8,000.00
29	BAR SHEARING MACHINE - 70MM	30610028	9,000.00	9,000.00
30	COMPRESSION TESTING MACHINE	34460721	21,100.00	21,100.00
31	ELECTRONIC TOTAL STATION INST	39550699	13,000.00	13,000.00
Total Cost			31,95,579.00	6,18,499.16



SI No.	Description	Asset Code	Year - 2018	
			On Monthly Basis	
			Cost for August - 18	
			Hire Charges of Aug - 18	Total Cost for the month of August-18
a	b	c	d	e
1	BACKHOE LOADER JCB 3DX	01430ZFH	65,000.00	65,000.00
2	CRAWLER MOUNTED CRANE 75 T - T	2150697	3,11,000.00	3,11,000.00
3	CRAWLER CRANE 75T	0215510H	2,52,231.00	2,52,231.00
4	CRAWLER CRANE 75T	0215511H	2,81,846.00	2,81,846.00
5	CRAWLER CRANE 75T	0215516H	3,02,051.00	3,02,051.00
6	CRAWLER CRANE 75T	0215521H	3,37,923.00	3,37,923.00
7	Tyre Mounted crane - 14 T	2680033	91,000.00	91,000.00
8	PICK & CARRY CRANE - 12 T	2730286	65,000.00	65,000.00
9	CEMENT FEEDING PUMP-25 TPH	6860230	28,000.00	28,000.00
10	Batching Plant-30Cum/Hr	13260901	2,42,000.00	2,42,000.00
11	TRANSITMIXER 6CUM	13711BRH	1,15,564.00	1,15,564.00
12	TRANSITMIXER 6CUM	13711BSH	1,15,564.00	1,15,564.00
13	Transit Mixer - 6 cum	13730045	1,03,000.00	1,03,000.00
14	CONCRETE PLACING BOOM W/PUMP	13940163	3,25,000.00	3,25,000.00
15	MOBILE CONCRETE PUMP PLACER	13941410	3,25,000.00	3,25,000.00
16	INVERTER WELDING MACHINE - 400 AMPS	22245456	3,100.00	3,100.00
17	INVERTER WELDING MACHINE - 400 AMPS	22249168	3,100.00	3,100.00
18	INVERTER WELDING MACHINE - 400 AMPS	22264507	3,100.00	3,100.00
19	INVERTER WELDING MACHINE - 400 AMPS	22264515	3,100.00	3,100.00
20	AFD - TELE-LIGHTING MAST WITH DG SET	25231987	25,700.00	25,700.00
21	TELE-LIGHTING MAST WITH DG SET	25232533	25,700.00	25,700.00
22	POWER GENERATOR-30 KVA	25402129	20,100.00	20,100.00
23	POWER GENERATOR - 125 KVA	25700766	33,100.00	33,100.00
24	POWER GENERATOR - 250 KVA	25922360	46,100.00	46,100.00
25	Bar Bending Machine - 52 MM	30503663	6,000.00	6,000.00
26	BAR BENDING MACHINE - 52 MM	30534860	7,200.00	7,200.00
27	BAR SHEARING MACHINE - 52 MM	30583446	8,000.00	8,000.00
28	Bar Shearing Machine-42mm	30591589	8,000.00	8,000.00
29	BAR SHEARING MACHINE - 70MM	30610028	9,000.00	9,000.00
30	COMPRESSION TESTING MACHINE	34460721	21,100.00	21,100.00
31	ELECTRONIC TOTAL STATION INST	39550699	13,000.00	13,000.00
Total Cost			31,95,579.00	31,95,579.00



SI No.	Description	Asset Code	Year - 2018	
			On Monthly Basis	
			Cost for September - 18	
			Hire Charges of September - 18	Total Cost for the month of September-18 (01.09.18 to 07.09.18)
a	b	c	d	e
1	BACKHOE LOADER JCB 3DX	01430ZFH	63,000.00	63,000.00
2	CRAWLER MOUNTED CRANE 75 T - T	2150697	3,11,000.00	3,11,000.00
3	CRAWLER CRANE 75T	0215510H	6,51,961.00	6,51,961.00
4	CRAWLER CRANE 75T	0215511H	3,02,307.00	3,02,307.00
5	CRAWLER CRANE 75T	0215516H	5,47,521.00	5,47,521.00
6	Tyre Mounted crane - 14 T	2680033	91,000.00	91,000.00
9	PICK & CARRY CRANE - 12 T	2730286	65,000.00	65,000.00
10	CEMENT FEEDING PUMP-25 TPH	6860230	28,000.00	28,000.00
11	Batching Plant-30Cum/Hr	13260901	2,42,000.00	2,42,000.00
12	TRANSITMIXER 6CUM	13711BRH	1,28,512.00	1,28,512.00
13	TRANSITMIXER 6CUM	13711BSH	1,24,852.00	1,24,852.00
14	Transit Mixer - 6 cum	13730045	1,03,000.00	1,03,000.00
15	CONCRETE PLACING BOOM W/PUMP	13940163	3,25,000.00	3,25,000.00
16	MOBILE CONCRETE PUMP PLACER	13941410	3,25,000.00	3,25,000.00
17	INVERTER WELDING MACHINE - 400 AMPS	22245456	3,100.00	3,100.00
20	INVERTER WELDING MACHINE - 400 AMPS	22249168	3,100.00	3,100.00
21	INVERTER WELDING MACHINE - 400 AMPS	22264507	3,100.00	3,100.00
22	INVERTER WELDING MACHINE - 400 AMPS	22264515	3,100.00	3,100.00
23	AFD - TELE-LIGHTING MAST WITH DG SET	25231987	25,700.00	25,700.00
24	TELE-LIGHTING MAST WITH DG SET	25232533	25,700.00	25,700.00
25	POWER GENERATOR-30 KVA	25402129	20,100.00	20,100.00
26	POWER GENERATOR - 125 KVA	25700766	33,100.00	33,100.00
30	POWER GENERATOR - 250 KVA	25922360	46,100.00	46,100.00
31	Bar Bending Machine - 52 MM	30503663	6,000.00	6,000.00
32	BAR BENDING MACHINE - 52 MM	30534860	7,200.00	7,200.00
33	BAR SHEARING MACHINE - 52 MM	30583446	8,000.00	8,000.00
34	Bar Shearing Machine-42mm	30591589	8,000.00	8,000.00
35	BAR SHEARING MACHINE - 70MM	30610028	9,000.00	9,000.00
36	COMPRESSION TESTING MACHINE	34460721	21,100.00	21,100.00
37	ELECTRONIC TOTAL STATION INST	39550699	13,000.00	13,000.00
Total Cost			35,43,553.00	8,32,895.70
Total Cost of Machinaries (Under-utilization) due to flood condition at Yamuna Project Site				46,46,973.86



C. Cost incurred due to idling of Workers deployed in specialized activity							
SI No.	Description	Unit	Linkage	01-07-2018 (26-07-18 to 31-07-18)	Aug-18	01-09-2018 (01-09-18 to 07-09-18)	Total Wages (Rs)
A	High Skilled						
1	Rate per day	Rs/day		732.00	732.00	732.00	
2	Mandays in the prolonged period	Days		6.19	142.00	33.13	
3	OT Hours	Hours		159.00	150.00	130.00	
4	OT Rate	Rs/day	(1) / 4	183.00	183.00	183.00	
5	Basic Wages	Rs/day	(1) x (2)	4532.54	103944.00	24253.60	
6	OT Wages	Rs/day	(3) x (4)	29097.00	27450.00	23790.00	
7	Total Wages	Rs/day	(5) + (6)	33629.54	131394.00	48043.60	
8	Employer's Contribution in PF @13.15%	Rs/day	13.15% x (5)	596.03	13668.64	3189.35	
9	Employer's Contribution in ESI @4.75%	Rs/day	4.75% x (7)	1597.40	6241.22	2282.07	
10	Contractor's Profit @10%	Rs/day	10% x (7)	3362.95	13139.40	4804.36	
11	Gross Wages	Rs/day	Sum (7) to (10)	39185.93	164443.25	58319.38	2,47,580.39
B	Skilled						
14	Rate per day	Rs/day		673.00	673.00	673.00	
15	Mandays in the prolonged period	Days		166.65	829.00	193.43	
16	OT Hours	Hours		865.00	594.00	638.50	
17	OT Rate	Rs/day	(14) / 4	168.25	168.25	168.25	
18	Basic Wages	Rs/day	(14) x (15)	112152.19	557917.00	130180.63	
19	OT Wages	Rs/day	(16) x (17)	145536.25	99940.50	107427.63	
20	Total Wages	Rs/day	(18) + (19)	257688.44	657857.50	237608.26	
21	Employer's Contribution in PF @13.15%	Rs/day	13.15% x (18)	14748.01	73366.09	17118.75	
22	Employer's Contribution in ESI @4.75%	Rs/day	4.75% x (20)	12240.20	31248.23	11286.39	
23	Contractor's Profit @10%	Rs/day	10% x (20)	25768.84	65785.75	23760.83	
24	Gross Wages	Rs/day	Sum (20) to (23)	310445.50	828257.57	289774.23	13,14,647.28
C	Semi Skilled						
25	Rate per day	Rs/day		612.00	612.00	612.00	
26	Mandays in the prolonged period	Days		7.35	182.00	42.47	
27	OT Hours	Hours		153.00	109.00	131.50	
28	OT Rate	Rs/day	(25) / 4	153.00	153.00	153.00	
29	Basic Wages	Rs/day	(25) x (26)	4501.16	111384.00	25989.60	
30	OT Wages	Rs/day	(27) x (28)	23409.00	16677.00	20119.50	
31	Total Wages	Rs/day	(29) + (30)	27910.16	128061.00	46109.10	
32	Employer's Contribution in PF @13.15%	Rs/day	13.15% x (29)	591.90	14647.00	3417.63	
33	Employer's Contribution in ESI @4.75%	Rs/day	4.75% x (31)	1325.73	6082.90	2190.18	
34	Contractor's Profit @10%	Rs/day	10% x (31)	2791.02	12806.10	4610.91	
35	Gross Wages	Rs/day	Sum (31) to (34)	32618.81	161596.99	56327.82	2,38,583.40
D	Un skilled						
36	Rate per day	Rs/day		553.00	553.00	553.00	
37	Mandays in the prolonged period	Days		19.55	260.00	60.67	
38	OT Hours	Hours		143.00	69.50	83.00	
39	OT Rate	Rs/day	(14) / 4	138.25	138.25	138.25	
40	Basic Wages	Rs/day	(36) x (37)	10810.26	143780.00	33548.67	
41	OT Wages	Rs/day	(38) x (39)	19769.75	9608.38	11474.75	
42	Total Wages	Rs/day	(40) + (41)	30580.01	153388.38	45023.42	
43	Employer's Contribution in PF @13.15%	Rs/day	13.15% x (40)	1421.55	18907.07	4411.65	
44	Employer's Contribution in ESI @4.75%	Rs/day	4.75% x (42)	1452.55	7285.95	2138.61	
45	Contractor's Profit @10%	Rs/day	10% x (42)	3058.00	15338.84	4502.34	
46	Gross Wages	Rs/day	Sum (42) to (45)	36512.11	194920.23	56076.02	2,74,120.59

Total cost incurred on Workers deployed in miscellaneous workers in the prolonged period

2074, 93165



D. Cost incurred due to idling of labours of Yamuna Project Site

SI No.	Description	Unit	Linkage	26th July 2018 to 25th Aug 2018	26th Aug 2018 to 7th Sept 2018	Total
A	Skilled					
1	Base Wages	Rs/day		673.00	673.00	
2	Benefits @34.69 %	Rs/day	34.69%*(1)	233.46	233.46	
3	Sub-Contractor's Profit @10%	Rs/day	10%*(1)	67.30	67.30	
4	Total Wages per day	Rs/day	(1)+(2)+(3)	973.76	906.46	
5	Mandays in the prolonged period	Days		548	237	
6	Cost incurred on skilled labour in prolonged period	Rs	(4)*(5)	533622.51	215254.91	748877.42
B	Semi Skilled					
7	Base Wages	Rs/day		612.00	612.00	
8	Benefits @34.69 %	Rs/day	34.69%*(7)	212.30	212.30	
9	Sub-Contractor's Profit @10%	Rs/day	10%*(7)	61.20	61.20	
10	Total Wages per day	Rs/day	(7)+(8)+(9)	885.50	885.50	
11	Mandays in the prolonged period	Days		22	10	
12	Cost incurred on skilled labour in prolonged period	Rs	(10)*(11)	19481.06	8441.79	27922.85
C	Un skilled					
13	Base Wages	Rs/day		553.00	553.00	
14	Benefits @34.69 %	Rs/day	34.69%*(13)	191.84	191.84	
15	Sub-Contractor's Profit @10%	Rs/day	10%*(13)	55.30		
16	Total Wages per day	Rs/day	(13)+(14)+(15)	800.14	744.84	
17	Mandays in the prolonged period	Days		671	291	
18	Cost incurred on skilled labour in prolonged period	Rs	(16)*(17)	536891.05	216573.39	753464.45
19	Total cost incurred due to idling of labours at Yamuna Site			10,89,994.62	4,40,270.10	15,30,264.72



IIS – L&T CONSORTIUM

Ref. No. – L/IISLT/ENGR/CTP 15C/CONT/GEN/1018/1320

Date: 03.10.2018

To,
The Engineer,
OCG Consortium, 3rd Floor,
Pragati Maidan Metro Station Building Complex,
New Delhi 110001

KIND ATTN: Mr. Katsuyuki Saito (Project Director)

PROJECT: Design & Construction of 03 special steel bridges over existing railways & across rivers Yamuna & Hindon, involving Bridge structure, Approaches in Embankments, Guide bunds & protection works including Testing & Commissioning on Design-Build Lump Sum price basis for Rewari - Dadri section of Western Dedicated Freight Corridor (Phase-2) –Special Steel Bridge Works Contract Package -15C, ICB No. CT P-15C (CA No. HQ/EN/PWC/PHASE - II PKG-15C/D&B/7/IIS-L&T Consortium)

- Ref:**
1. Contractor's letter no. L/IISLT/ENGR/CTP 15C/CONT/GEN/0718/1264 dtd 31.07.18
 2. Engineer's letter no. L/OCGC/DFCC/CMT/CTP-15C/1808/15367 dtd 24.08.18
 3. Contractor's letter no. 2018/FO/CPM-Noida/0106 dtd 25.09.18

Subject: Flood Alert at Yamuna project site

Dear Sir,

With reference to the subject matter, the Yamuna project site witnessed severe flood condition on 26-09-2018 for the second consecutive time in this year.

Accordingly, the machineries deployed at Yamuna site were shifted to safer areas to protect from the effect of flood water. The water level of the river Yamuna was rising dangerously from the past three days because of continuous downpour and were continuously monitored to avoid any untoward incident. But, due to sudden ingress of flood water, areas up to well A1 got waterlogged within a short period of time making the whole site inaccessible.

Besides, flood water submerged the access road to Yamuna site which compelled the Contractor to stop every site activity at the project site from 26.09.2018 ultimately delaying the scheduled construction program for reasons not attributable and foreseeable to the Contractor

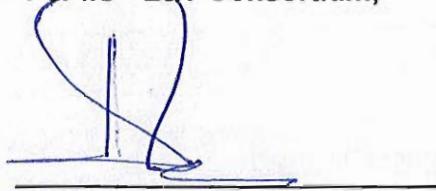
Considering the above situation, the Contractor in pursuant to GCC/PCC Cl 4.12, 19.1, 19.2 & 19.3 of GCC/PCC notifies the Engineer about the disruption caused due to critical flood situation at Yamuna project site, an unforeseeable Physical Condition as per the terms and conditions of Contract. The Contractor is attaching herewith the site photographs of the flood situation as Annexure – A and copies of flood related newspaper reports as Annexure – B for your further information.

The aforesaid request will not prejudice any of the Contractor's contractual and legal entitlements.

IIS – L&T CONSORTIUM

Thanking you and assuring you of our best services at all times.

For IIS - L&T Consortium,



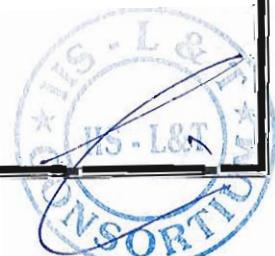
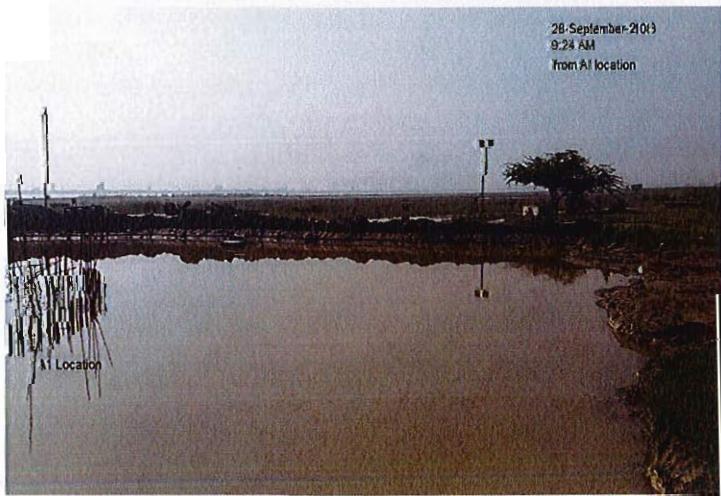
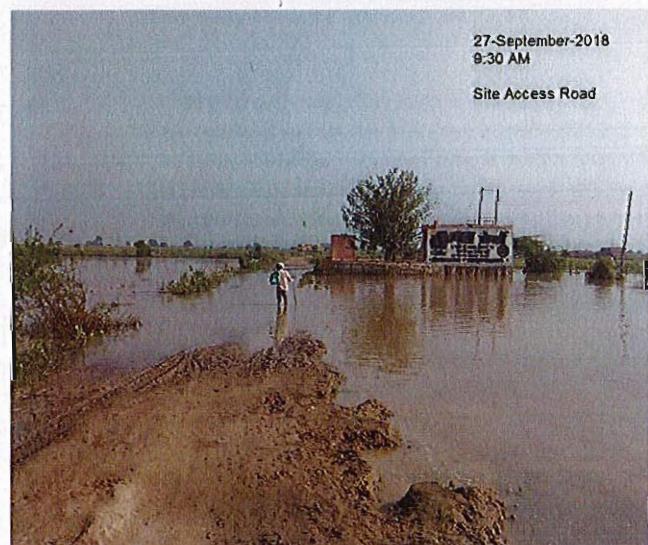
M. Kannan
Authorized Signatory
Project Manager L&T, CTP-15C

Annexure – A: Site Photograph of Flood Situation

Annexure – B: Newspaper report regarding flood

- CC:**
1. Shri. Hari Mohan Gupta, Chief Project Manager, DFCC
 2. Mr. Mishima Teruki, Chief Resident Engineer, ZMT-4
 3. Mr. Yukio Nakamura, Project Director, IIS-L&T Consortium

Annexure B – Flood Conditions at the Yamuna project site during the month of Sep-18



Annexure - B

Times of India, Delhi

26th September, 2018

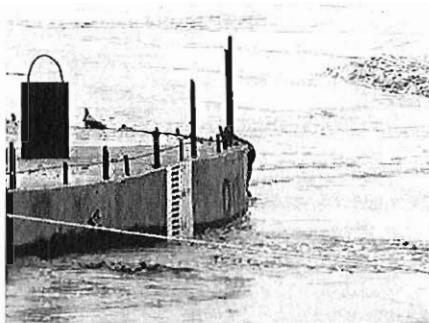
9/28/2018

Yamuna crosses danger mark, safety measures begin - Times of India

Printed from
THE TIMES OF INDIA

Yamuna crosses danger mark, safety measures begin

TNN | Sep 26, 2018, 01:25 AM IST



NEW DELHI: Following a good spell of rain over the last three days, Yamuna's water level crossed the 'danger' mark on Tuesday morning and was flowing above the 205m mark by the afternoon, officials said. The sudden increase in water level occurred after over 10 lakh cusecs of water was released from the Hathni kund barrage since Monday, forcing the chief secretary Anshu Prakash to call an emergency meeting to assess the ground situation.

According to the Central Water Commission, the water level in Yamuna is expected to touch around 205.34 metres by 10pm on Tuesday and could rise as high as 205.70 metres by Thursday afternoon. The level was recorded at 205.29 metres at 7pm on Tuesday, well above the 'danger'

mark of 204.83 metres. A warning is generally issued once the level crosses 204 metres. On crossing the 'danger' limit, evacuations near the floodplains are started.

Delhi chief secretary Anshu Prakash on Tuesday held an emergency meeting with officials from six districts through which the Yamuna flows and officials from other departments concerned. Delhi Police, Army and NDRF were directed to take measures for safety and security of people living in the floodplains. The chief secretary has also said all preparations need to be in place to provide food and relief items for those evacuated. "As per the CS's directions, tents would be pitched at various places on Wednesday and foods would be distributed among those affected," said DM (east and Shahdara districts) K Mahesh.

<https://timesofindia.indiatimes.com/city/delhi/yamuna-crosses-danger-mark-safety-measures-begin/articleprint/85956309.cms>

1/2

9/28/2018

Yamuna crosses danger mark, safety measures begin - Times of India

"The district administration is warning people against the rising water level with loudspeakers. We have deployed boats with divers to inspect 13 points," Mahesh added.

The water level is measured at the Old Railway Bridge and officials say it could also be shut down for operations if the Yamuna continues to rise. The highest water level recorded at the Yamuna bridge was 207.49 metres in 1978.

<https://timesofindia.indiatimes.com/city/delhi/yamuna-crosses-danger-mark-safety-measures-begin/articleprint/85956309.cms>

2/2



Annexure - B

Dainik Jagran, Delhi

27th September, 2018

राहत यमुना के जलस्तर पर है प्रशासन की नजर, लगाए गए हैं राहत शिविर

खतरे के निशान से ऊपर, बाढ़ के आसार नहीं

जागरण संवाददाता, पूर्वी दिल्ली : भारी बारिश के चलते हरियाणा के हथनी कुंड बैराज से यमुना में लगातार पानी छोड़ा जा रहा है। इससे दिल्ली में यमुना खतरे के निशान से ऊपर बह रही है। फिलहाल, अभी दिल्ली में बाढ़ की स्थिति नहीं है, लेकिन हरियाणा से अगर पानी छोड़ा जाता रहा तो बाढ़ की स्थिति बन सकती है। जलस्तर बढ़ने से प्रशासन ने यमुना किनारे बसे लोगों को हटा दिया है। बुधवार सुबह 8 बजे बैराज से 27,331 क्यूसेक पानी छोड़ा गया। दो घंटे बाद फिर 24758 क्यूसेक पानी छोड़ा गया। दोपहर 3 बजे 25893 क्यूसेक पानी छोड़ा गया। इससे यमुना का जलस्तर 205.79 मीटर पहुंच गया। यमुना में चेतावनी का स्तर 204 मीटर है और खतरे के निशान का स्तर 204.83 मीटर है। सिंचाई एवं बाढ़ नियंत्रण विभाग के अधिकारियों के अनुमान के अनुसार बुधवार रात को यमुना का जलस्तर 205.87 तक पहुंच सकता है।

बढ़ते जलस्तर पर पूर्वी दिल्ली जिला प्रशासन और सिंचाई एवं बाढ़ नियंत्रण



यमुना का जलस्तर बढ़ने के बाद ऐतिहासिक लोहे के पुल के साथ बन रहे रेलवे पुल के जलमग्न पिलर। अपना सामान सुरक्षित स्थान पर ले जाता झुग्गीवासी © धृष्टि कुमार

विभाग की नजर है। पूर्वी जिलाधिकारी कार्यालय में सिंचाई विभाग ने बाढ़ को लेकर कंट्रोल रूम बनाया हुआ है, साथ ही हेल्पलाइन नंबर भी दिए हुए हैं, ताकि कोई यमुना में फंस जाए तो वह विभाग को सूचित कर सकता है।

पूर्वी दिल्ली के अतिरिक्त जिलाधिकारी व सिंचाई एवं बाढ़ नियंत्रण

विभाग के नोडल अफसर अजय कुमार ने जागरण को बताया कि प्रशासन ने सभी संबंधित सरकारी विभागों को सतर्क कर दिया है। उन्होंने कहा कि कई जगह राहत शिविर लगा दिए गए हैं और बाकी लगाए भी जा रहे हैं। जामिया पुल से बजीराबाद तक सात प्लॉइंट पर मोटर बोट है, जहां जल्दी पड़ेगी वहां पर बोट भेजी जाएगी।



IIS-Larsen & Toubro Consortium

IIS-L&T CONSORTIUM
Vatika Mind Scapes, Tower-'A'
12th floor, 12/1, Sector 27-D,
Delhi-Mathura Road,
Faridabad, Haryana- 121003

No.: L/IISLT/ENGR/CTP 15C/CONT/GEN/0819/1627

Date: 19.08.2019

To,
The Engineer,
OCG Consortium, 3rd Floor,
Pragati Maidan Metro Station Building Complex,
New Delhi 110001

KIND ATTN: Mr. Noboru Nakagawa (Project Director)

PROJECT: Design & Construction of 03 special steel bridges over existing railways & across rivers Yamuna & Hindon, involving Bridge structure, Approaches in Embankments, Guide bunds & protection works including Testing & Commissioning on Design-Build Lump Sum price basis for Rewari - Dadri section of Western Dedicated Freight Corridor (Phase-2) - Special Steel Bridge Works Contract Package -15C, ICB No. CT P-15C (CA No. HQ/EN/ PWC/PHASE-II PKG-15C/D&B/7/IIS-L&T Consortium)

Sub: Flood Alert in the nearby vicinity of river Yamuna of WDFCC-15C

Dear Sir,

This is in reference to the subject matter and the continuous downpour experienced during the present monsoon across northern India, which led to overflow of river Yamuna. The river Yamuna was already flowing above the danger level and as per the latest news forecast, (attached as Annexure-I) there is every possibility of further increase in the water level of Yamuna. Considering the catastrophic situation, both Delhi and Haryana Government has issued high alert and requested for immediate evacuation of people residing in floodplains of the river.

The Contractor has also witnessed sudden rise in the flow of river Yamuna from the past couple of days. The water level of Yamuna was continuously monitored so that necessary action could be taken in the hour of need. Initially areas up to pier P8 was submerged due to continuous rise in water level of Yamuna. However, due to incessant heavy rainfall occurring in nearby states like Uttarakhand, Himachal Pradesh, Uttar Pradesh, Delhi etc during the past week, the water level of river Yamuna has increased significantly submerging areas up to pier P2 and is likely to engulf further areas up to guide bund and approach embankment of abutment A1. Accordingly, machineries deployed for earthwork (Guide Bund and Approach Embankment of A2 side), assembly and erection of superstructure works etc are being shifted to higher areas to safeguard from the ingress of water. The Contractor is also



Registered Office: L&T House, N.M.Marg, Ballard Estate, Mumbai - 400 001, INDIA
CIN:L99999MH1946PLC004768

Page 1 of 2

Head Quarters: Larsen & Toubro Limited, L&T Construction, Heavy Civil Infrastructure, Mount Poonamallee Road, Manapakkam, P.B. No.979, Chennai – 600 089, INDIA
L&T Construction – Heavy Civil Infrastructure is a brand of **Larsen & Toubro Limited**. www.LnTecc.com



IIS-Larsen & Toubro Consortium

attaching present site photographs as Annexure – II to reveal the consequences of the critical flood situation encountered from 18.08.2019 at Br. No. 180, Yamuna project site.

IIS-L&T CONSORTIUM
Vatika Mind Scapes, Tower-'A'
12th floor, 12/1, Sector 27-D,
Delhi-Mathura Road,
Faridabad, Haryana- 121003

Considering the above situation, the Contractor in pursuant to GCC/PCC Sub-Clause 4.12, 19.1, 19.2 and 19.3 of GCC/PCC notifies the engineer about the disruption caused due to critical flood situation at Yamuna Site, an unforeseeable physical condition and subsequent delays encountered/ to be encountered because of the unavoidable situation.

Further, the Contractor will be entitled to Extension of Time and Additional Costs incurred / to be incurred in line with GCC/PCC Sub-Clause 8.4, 19.4 and 20.1 on account of the above mentioned flood conditions not attributable to the Contractor at Yamuna Project site.

The above mentioned request will not prejudice any of the Contractor's Contractual Entitlements.

Thanking you and assuring you of our best services at all times.

For IIS - L&T Consortium,

M. Kannan
Authorized Signatory
IIS-L&T Consortium

Enclosure: Annexure – I: Newspaper Report mentioning Flood Alert at River Yamuna

Annexure – II: Photographs of Br. No. 180 project site

- CC: 1. Mr. Praveen Kumar, GGM, DFCC
2. Mr. B.D. Garg, Deputy Chief Resident Engineer, ZMT-4
3. Mr. Yukio Nakamura, Project Director, IIS-L&T Consortium

Annexure - I

TOI Notification dated 19-08-2019

Delhi flood alert: Evacuation begins, Yamuna may touch 207m today

TNN | Updated: Aug 19, 2019, 10:40 IST



A-

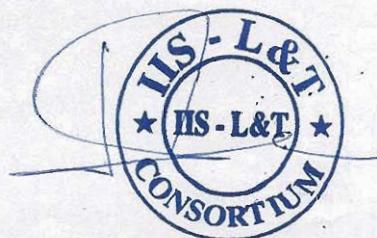
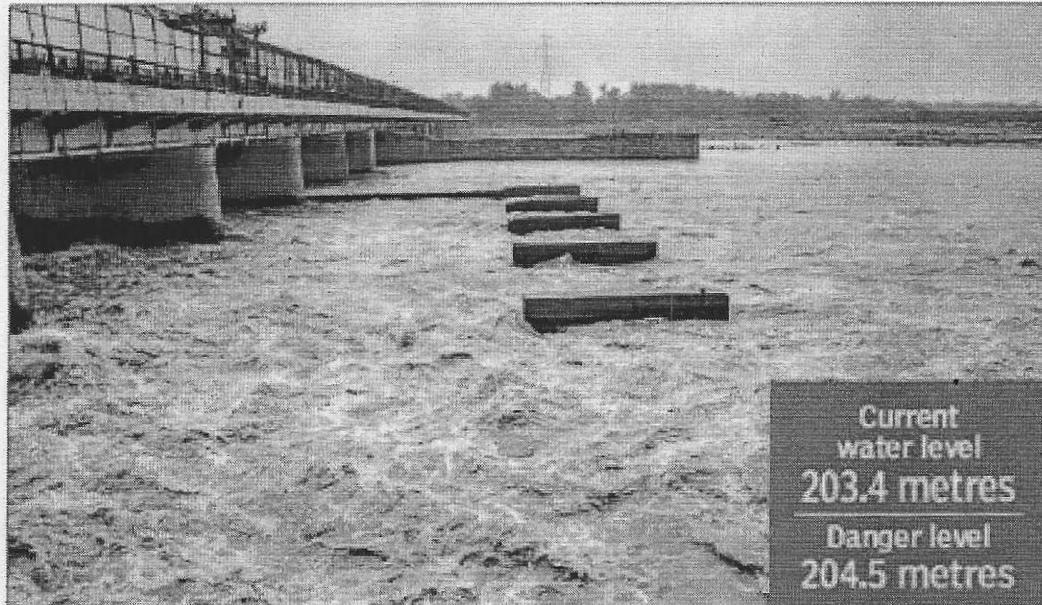
A+



Over 50 people were evacuated on Sunday night from Kanchan Colony, Wazirabad, in the wake of the flood alert.

further on Monday as 8.28 lakh cusecs of water was released from Haryana's Hathni Kund barrage at 6pm, an official said.

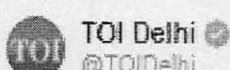
NEW DELHI: With the Yamuna set to cross the danger mark of 204.5 metres, Delhi government has sounded a flood alert and started evacuating people living on the floodplain. The river was flowing at 203.4 metres on Sunday evening and its water level was expected to rise



TOI Notification dated 19-08-2019 continued.

The water level is likely to cross 207 metres, about 1.5m above the danger level.

In the wake of serious flood threats looming in low-lying areas of Delhi, chief minister Arvind Kejriwal has called an emergency meeting of officers at 1pm on Monday to assess the current situation and preparedness of the administration.



In the wake of serious flood threats looming over low lying areas of Delhi, CM Arvind Kejriwal calls an emergency meeting of officers at 1pm to assess the preparations and the current situation.

87 9:44 AM - Aug 19, 2019

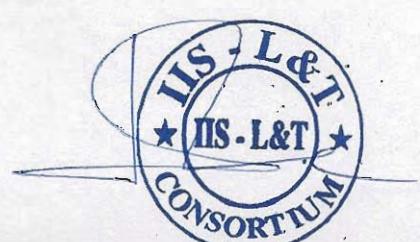


29 people are talking about this >

District magistrate (east) Deepak Shinde asked the SDM to complete the evacuation process by 9am on Monday. "The water level in Yamuna is rising due to heavy rain as well as release of water from Hathini Kund ... and may rise up to 207 metres by 10 am at ORB (Old River Bridge) by August 19, putting public life and property at risk (sic)," the order stated.

Over 50 people were evacuated on Sunday night from Kanchan Colony, Wazirabad, in the wake of the flood alert and shifted to makeshift camps set up by the central district administration. As and when required, more evacuations would be carried out, an official said. The last available official report showed the discharge of water at Hathni Kund barrage at 7,33,967 cusecs around 8pm. The SDMs have been asked to ensure that all necessary arrangements were made at relief camps in coordination with other departments.

Officials said preparations were being made to erect tents in nearby areas to accommodate the displaced people. In July last year, traffic movement on Old Yamuna Bridge in Delhi was barred for a few days after the water level breached the danger mark and touched 205.5 metres.



NDTV Notification dated 18-08-2019

Yamuna Nears Warning Level, Flood Alert For Delhi

हिंदी में पढ़ें

Yamuna was flowing at 203.37 metres on Sunday evening and its water level is expected to rise further on Monday as 8.28 lakh cusecs water was released from Haryana's Hathini Kund barrage at 6 pm, an official said.

Delhi | Press Trust of India | Updated: August 18, 2019 21:36 IST

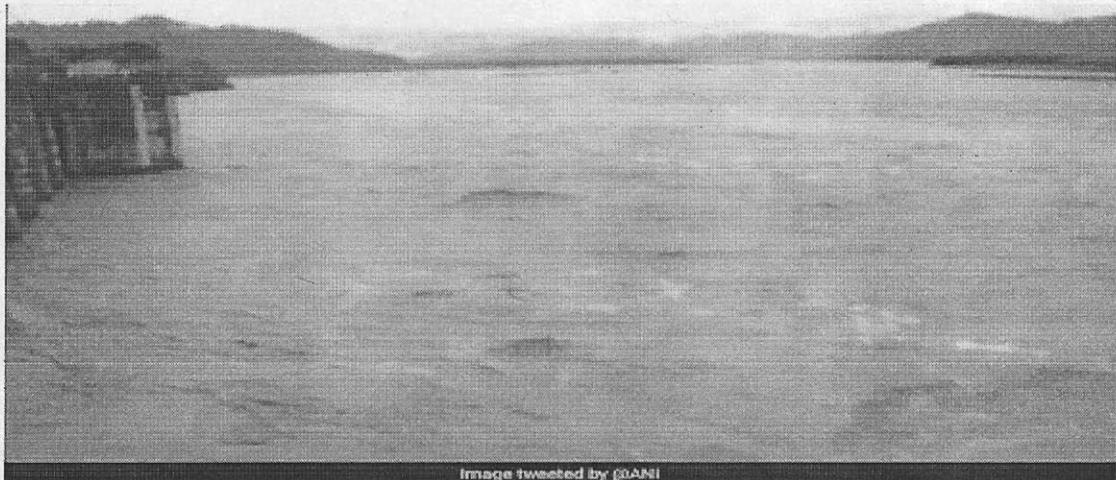


Image tweeted by @ANI

A meeting of officers was held on Sunday to discuss measures to deal with any flood-like situation.

NEW DELHI: The Delhi government today sounded a flood alert for the city and asked people living in low-lying areas to move to safer places as the water level in the Yamuna river is expected to cross the danger mark, the officials said.

The Yamuna was flowing at 203.37 metres on Sunday evening and its water level is expected to rise up to 207 metres on Monday as 8.28 lakh cusecs water was released from Haryana's Hathini Kund barrage at 6 pm, an official said.

"Water level is rising due to heavy rains as well as release of water from Hathini Kund Barrage and water level of Yamuna may rise up to 207 metres by 10 am tomorrow, putting at risk to public life and property," East Delhi district said in its order.

It has directed all sub-divisional magistrates to evacuate people from low-lying areas with the help of Delhi Police and civil defence volunteers by 9 am on Monday.

Haryana released several lakhs of cusecs water in intervals on Sunday. At 5 pm, 8.14 lakh cusecs water was released from the barrage, he said.

The Delhi government said preparations are being made to erect sheds in nearby areas to accommodate the people living in the low-lying areas.

A meeting of officers was held on Sunday evening to discuss measures to deal with any flood-like situation.

In July last year, traffic movement on Old Yamuna Bridge in Delhi was closed for a few days after the water level breached the danger mark.

Yamuna's water level had reached 205.5 metres last year. The danger mark is 205.33 metres.





THE TIMES

INCLUDES OF DELHI TIMES |

CJI-LED SUPREME COURT'S AYODHYA BENCH
SKIPS HEARING DUE TO URGENT MEETING,
ALTERNATIVE BENCH ALSO DOESN'T TAKE IT UP 12

Yamuna above danger mark, set to rise till Wed morning

10,000 People
Moved, 13K More
Will Be Shifted

AlokKNMishra@timesgroup.com

New Delhi: The Yamuna crossed the danger mark in the capital on Monday inundating farms and shanties in the floodplains, as the city government evacuated some 10,000 people to safety and geared up to shift 13,000 more following the highest-ever discharge of

FULL COVERAGE: P 2

water from the Hathnikund barrage in Haryana.

Water level in the Yamuna is expected to continue rising through Tuesday and touch 207 metre by Wednesday morning before beginning to recede. The danger mark stands at 205.33m. It was recently reval-



Yamuna waters enter houses in Yamuna Bazar area of Delhi. The river water level is expected to touch 207m by Wednesday before receding

sed upwards from the earlier level of 204.83m.

If the official projections come true, this will be only the third time since the devastating floods of 1978 that the Yamuna will cross the 207m mark. The two other occasions were in 2010 and 2013, the

year of the Kedarnath deluge. In 1978, water had risen to its highest ever level of 207.49m.

Authorities said, unlike in 1978, there is no danger of the Yamuna breaching its embankments.

► 53 boats on standby, P 2

HP, U'khand toll
rises to 36; 2,000
tourists stuck

Rescue teams combed the Mori block of Uttarkashi district, which was battered by flash floods following a cloudburst on Sunday, have so far recovered 11 bodies while eight people still remain missing. Meanwhile, the death toll in floods and landslides in neighbouring Himachal Pradesh rose to 25 on Monday, with over 2,000 people, mostly tourists, still stranded in Lahaul-Spiti district.

The Manali-Leh and Manali-Spiti highways remained blocked at multiple places. Over 1,000 people and 400 vehicles are stuck between Sissu and Koksar in Lahaul. Two villages in Haryana's Sonipat district were evacuated. P 15



Yamuna in spate causes flood of emotions

Desperation,
Complacency
As Threat To
Life Looms

Alok K Mishra
@lkmishra

New Delhi: The swelling Yamuna is forcing people out of their shacks and into tents erected on the city's floodplains on higher ground. The rising water threatens to cover much of the floodplain by Tuesday evening. But there are many who aren't overly anxious to run away from the swollen river, nor from our misfortune. Even an unperfumed Mohammad Usman, 55, lighting a cigarette near his vegetable cart under the Old Yamuna Bridge, says proudly: "I am a vegetable seller, equally helpless of the flood alert."

Rahil Kumar sought to explain the seeming indifference by saying: "What is worse upon us? Loss, what can we feed our children?" The young migrant from Aligarh peddles vegetables grown on the floodplain, around 300 metres from the spot where the Yamuna was breached, followed by Monday afternoon. In the past few decades, migrants from UP and Bihar have set up small colonies of shanties by the Yamuna, and their livelihood depends on the network of farms



THE RIVER WILD

Yamuna's water level is expected to keep rising through Tuesday and touch the 207-mark on Wednesday morning

DANGER MARK
204.5
metres
CURRENT LEVEL
205.6
metres
(11pm, Monday)

SOME AFFECTED AREAS

1. Usmanpur
2. Matni Ghat
3. ISBT 4. Yamuna Bazaar
5. Warisabad
6. Old Yamuna Bridge
7. Geeta Colony

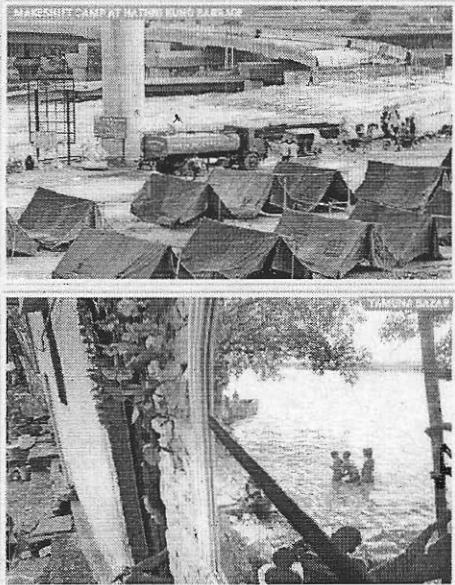


PHOTO: Rakesh Kumar, Hindustan Times

ing, but none has come to check the conditions since." East district magistrate K Mahesh agreed that floodplain dwellers often underestimate the threat of a river in spate. "Unless inundated, they do not leave their homes, and many return even after being put up in relief camps," Mahesh said. "We have deployed civil defence volunteers to ensure that people do not venture into the floodplains. Divers' teams are standing."

The authorities were mustering in action at Yamuna Bazaar where a couple of houses were swallowed up by the river that crossed the danger mark of 205.3 metres on Monday evening. "My house was in ankle-deep water in the morning and I had to move out my wife and three toddlers," said Vinod Kumar. The poor homeless family found shelter on the edge of a temple on the riversbank. Another resident said, "We have packed our goods and will keep awake through the night, ready to shift to safer ground if the water enters our room."

The covered cremation platform at Nigambodh ghat too lay underwater on Monday. "People from Uttarakhand and Bihar, who prefer cremation closer to the river, were here to shift to other areas on the premises," said Raju, a worker at the ghat.

Floodplain residents were also evacuated in Mayur Vihar, Hathi Ghat, ISBT, Hazrat Nizamuddin, Kalindi Kunj and another place. There was



Annexure - II

18.08.2019- Status at Yamuna Site (Water reached till P8)



19-08-2019- Yamuna Site Condition st A2 side (Temprrorary arrangements for water diversion at A2 location collapsed)



20-08-2019- Status at Yamuna Site (Water reached till P2)







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Delhi-Mathura Road,
Faridabad, Haryana- 121003

No.: L/IISLT/ENGR/CTP 15C/CONT/GEN/0819/1628

Date: 21.08.2019

To,
The Engineer,
OCG Consortium, 3rd Floor,
Pragati Maidan Metro Station Building Complex,
New Delhi 110001

KIND ATTN: Mr. Noboru Nakagawa (Project Director)

PROJECT: Design & Construction of 03 special steel bridges over existing railways & across rivers Yamuna & Hindon, involving Bridge structure, Approaches in Embankments, Guide bunds & protection works including Testing & Commissioning on Design-Build Lump Sum price basis for Rewari - Dadri section of Western Dedicated Freight Corridor (Phase-2) - Special Steel Bridge Works Contract Package -15C, ICB No. CT P-15C (CA No. HQ/EN/ PWC/PHASE-II PKG-15C/D&B/7/IIS-L&T Consortium)

Sub: Flood Alert in the nearby vicinity of river Yamuna of WDFCC-15C

Ref: 1. Contractor's Letter no. L/IISLT/ENGR/CTP 15C/CONT/OTH/0819/1627 dated 21.08.2019
2. Copy of order No.387 of SDM, Gautam Budh Nagar Office dated 20.08.2019

Dear Sir,

This is in continuation to our letter cited at Ref (1) above. The water level of river Yamuna has further increased engulfing areas up to start of access road of A1 abutment at Br. No. 180, yamuna project site. All activities related to earthwork (Guide Bund and Approach Embankment Work of both A1 and A2 abutment) and assembly of the steel girder is stalled on account of catastrophic flood situation prevailing at Br. No. 180 project site as on 20.08.2019. According to the Office Order by SDM, Gautam Budh Nagar (attached as Annexure 1), the water level is further expected to rise in coming few days leading to submergence of all areas near Yamuna bank. People residing in the flood plains of river Yamuna are also instructed to be cautious about the present flood situation and identify places away from the river bank for shifting the affected persons.

In this present circumstance, the Contractor is compelled to suspend all the site activities of yamuna Project Site till the situation becomes normal. Considering the above situation, the Contractor in pursuant to Clause No. 4.12, 19.1, 19.2 and 19.3 of GCC/PCC reiterates the engineer about the disruption caused due to critical flood situation at Yamuna Site, an unforeseeable physical condition and subsequent delays encountered/ to be encountered because of the unavoidable situation.

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CIN:L99999MH1946PLC004768

Head Quarters: Larsen & Toubro Limited, L&T Construction, Heavy Civil Infrastructure, Mount Poonamallee Road, Manapakkam, P.B. No.979, Chennai – 600 089, INDIA

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12th floor, 12/1, Sector 27-D,
Delhi-Mathura Road,
Faridabad, Haryana- 121003

The Contractor will be entitled to Extension of Time and Additional Costs incurred / to be incurred pursuant to Clause 8.4, 19.4 and 20.1 o GCC, Vol -1 of Contract Agreement due to above mentioned flood conditions not attributable to the Contractor at Yamuna Project site.

The above-mentioned request will not prejudice any of the Contractor's Contractual Entitlements.

Thanking you and assuring you of our best services at all times.

For IIS - L&T Consortium,



M. Kannan
Authorized Signatory
Project Manager L&T, CTP-15C

Enclosure: 1. Annexure 1- Office Order SDM, Gautam Budh Nagar
2. Annexure 2- Newspaper Reports
3. Annexure 3- Site Photographs

CC: 1. Mr. Praveen Kumar, GGM, DFCC
2. Mr. B.D. Garg, Deputy Chief Resident Engineer, ZMT-4
3. Mr. Yukio Nakamura, Project Director, IIS-L&T Consortium

कार्यालय

उपजिलाधिकारी, सदर

गौतमबुद्धनगर

पत्रांक ३४८

/एस०टी०-एस०डी०एम०/२०१९

दिनांक २०/०८/१९

कार्यालय आदेश

आप सभी अवगत ही हैं कि दिनांक 18.08.2019 को हथिनीकुँड बैराज से लगभग 08 लाख पानी छोड़ा गया है। ऐसी स्थिति में जनपद गौतमबुद्धनगर के सदर तहसील के कुछ क्षेत्रों में बाढ़ की स्थिति उत्पन्न होने की सम्भावना है। आज दिनांक 20.08.2019 को ग्राम तिलवाड़ा, याकूतपुर, कामवकशपुर, मोमनाथल में स्थित बाढ़ चौकी एवं वन्धों(पुरता) का अधोहस्ताक्षरी एवं अपर जिलाधिकारी(वि०/रा०), गौतमबुद्धनगर द्वारा सिंचाई विभाग के अधिकारियों की उपस्थिति में स्थलीय निरीक्षण किया गया। निरीक्षण के दौरान यह स्थिति स्पष्ट है कि यमुना और हिण्डन का जल स्तर निरन्तर बढ़ रहा है। सिंचाई विभाग के अधिकारियों द्वारा अवगत कराया गया कि आज शाम तक बढ़ा हुआ पानी इन क्षेत्रों में प्रवेश करेगा तो नदी का जल स्तर और बढ़ेगा, जिससे आस-पास रहने वाले लोग भी प्रभावित हो सकते हैं।

ऐसी स्थिति में समस्त लेखपाल/समस्त राजस्व निरीक्षक एवं नायब तहसीलदार सदर को निर्देशित किया जाता है कि उक्त के दृष्टिगत अपने अपने क्षेत्रों में उपस्थित रहेंगे। इसके अतिरिक्त बाढ़ चौकियों पर पर भी सतर्क दृष्टि बनाये रखना सुनिश्चित करेंगे तथा बढ़ते हुए जल स्तर के सम्बन्ध में स्थानीय लोगों को अवगत करायेंगे। यद्यपि इस सम्बन्ध में कुछ ग्रामों में मुनादी की जा चुकी है, सम्बन्धित लेखपाल शेष प्रभावित ग्रामों में भी तत्काल मुनादी कराना सुनिश्चित करें। इसके साथ ही ऐसे स्थल जो नदी क्षेत्र से दूर हों, चिन्हित कर लें, जहाँ प्रभावित व्यक्तियों को सुरक्षा के दृष्टिगत ले जाया जा सके। इसके अतिरिक्त नायब तहसीलदार सदर उक्त क्षेत्रों का लगातार भ्रमण कर किसी भी प्रतिकूल स्थिति से अवगत कराते रहेंगे।

उक्त कार्य में किसी प्रकार की लापरवाही न की जाये।

(प्रसून द्विवेदी)

उपजिलाधिकारी सदर,
गौतमबुद्धनगर।

प्रतिलिपि—

1. जिलाधिकारी, गौतमबुद्धनगर को सूचनार्थ प्रेषित।
2. अपर जिलाधिकारी(वि०/रा०), गौतमबुद्धनगर को सूचनार्थ प्रेषित।
3. तहसीलदार सदर/नायब तहसीलदार सदर को अनुपालनार्थ प्रेषित।
4. समस्त राजस्व निरीक्षक, तहसील सदर को अनुपालनार्थ प्रेषित।
5. समस्त लेखपाल, तहसील सदर को अनुपालनार्थ प्रेषित।

Upajila Adhikari
Gautam Buddha Nagar
20/08/19

Annexure -2 Newpaper Report

Times of India (Times City) dated 21.08.2019

**THE TIMES OF INDIA, NEW DELHI / NOIDA / GHAZIABAD
WEDNESDAY, AUGUST 21, 2019**

Panic swells with Yamuna level rising

Flood Water To Be At Its Peak Between 1PM & 5PM Today

CURRENT SITUATION

Warning level	204.5M
Rising level	205.3M
Beeper level	205.5M
Maximum water level	206.5M at 11pm

The Yamuna passes through East, North East, North, Shandra, South East, and Central districts of the 12 districts of Delhi

WHEN YAMUNA CROSSSED THE DANGER MARK

1978	2010	2012
207.5M	207.1M	207.3M

In 1978, the Yamuna had left several areas of the city flooded when it touched its highest point till date. A repeat of the situation is expected as the water level has been strengthened in the last few days.

2019
Level to reach 207.1M on Wednesday

Popular Tibetan monastery market near ISBT terminal on Ring Road closed till further orders

Over 500 houses in Yamuna Bazar flooded, affecting over 2,000 families

Photo: Rakesh Sharma

Meenakshi Shetha
@timesgroup.com

Greater Noida: The district of Gautam Buddha Nagar remained on high flood alert on Tuesday, as water in the Yamuna continued to rise by 10 lakh litres per second. On Tuesday evening, Tulsia Ghat, about 32 km upstream from Noida, had reached 181.04 feet, just below Noida's 181.05 mark. While a motor boat and a small boat had been deployed to patrol the area, the administration has also alerted the NDRF.

Noida: District in-charge of traffic, disaster management department, said, "If the situation continues, the floodwater will enter the main village road in Mominabad and Shagpur by Wednesday. We will have to evacuate the village tomorrow."

More than 3,000 inhabitants of half a dozen villages neighbouring Yamuna Bazar, including Tilwara (in Dankaur block), Sharifpur, Mominabad and Kambalpukur, have been put on alert. Those staying on the river bank, primarily farmers, have been asked to move past the Yamuna banks.

The administration has arranged over 500 accommodations in case the bank is cut with the water flow.

The flood situation arose after a lakh cubic meter water was released from Hazrat Kund dam, from Haryana, on August 18.

Jewar: MLA Dhivender Singh visited the area on Tuesday. "Because of the downpour in the river, some people were stuck at Tilwara village. I have requested to arrange a boat. We have to ensure the safety of all people," said Singh.

Gautam Buddha Nagar district magistrate B.N. Singh said officials from various departments have been directed to work continuously and with full preparedness.

On Tuesday, additional DM (finance and revenue), DM (Sectar), Prajat Darveez, and officials from Noida, Tulsia, Kurarpur and Mominabad distributed food and ration to people whose huts are on the river banks. "People are being rescued by public authorities and are safe areas," said Devivedi.

Lambay said the situation this year has been compounded with continuous showers. "We have been facing such problems since 2014. In Kurarpur and Mominabad, the DFOCL road under construction work near Kambalpukur. We expect that the completed work from that area might raise the level and it flows back into the stream," he said.

Yamuna Bazar residents show grit

Three times more to those evacuated to the tents from nearby shanties.

"More than the threat of flood, distress of his father bothered seven-year-old Zeehan camping in the tent with family. "The water level is so high that we have to shift other families into the tent when it rises more," said Md Faizan, At-chhapur in West Dholpur. "We had to abandon a cluster of houses illegally built on the floodplain and shift to names after the flood came. The road leading to the main road was completely submerged."

"We are getting three meals a day. The tea is given only once," said Starum, a relief beneficiary.

Over 15,000 people were evacuated from different areas of the city and majority

are currently staying in her children. The male members of the family are also immersing themselves in similar manner.

New Delhi: In the otherwise normal Yamuna tower park Kasturba Gandhi Smarak Hall, situated in a short residential colony, has 600 odd houses, built over five decades within the Yamuna embankment area. There,

after a continuous shower, the water level rose to 205.3m on Tuesday when floodwater left the houses, many of them double-storeyed, in knee-deep water. "The water has come to our houses. Even if we die, we will attain moksha," he intoned. Nearby, a youth pulled out a sleeping mat from a flooded house, careful not to

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Noida vigilant, 9,000 villagers could be hit

Meenakshi.Sinha
@timesgroup.com

Greater Noida: The Gautam Budh Nagar administration on Monday sounded a flood alert for the Yamuna floodplains and asked people living in the villages of Shafipur, Mornathal, Kambaxpur and Yakutpur near sectors 155 and 156 in Greater Noida to remain vigilant. There are nearly 9,000 residents in these four villages.

The flood alert comes in the wake of the release of 8 lakh cusec water from Haryana's Hathni Kund barrage into the Yamuna as well as heavy rains that have been lashing the city for the past few days.

Though the villages are not likely to be affected as the Yamuna bundh in the area had earlier handled about 3 lakh cusec of water, officials said, they are prepared in terms of ration, manpower and other facilities in case of a flood situation in Greater Noida.

"About 8 lakh cusec water has been released from

the Hathni Kund barrage into the Yamuna. The water has already reached Moradabad and over 1-2 lakh cusec is expected to reach the banks of the Yamuna in Greater Noida by Tuesday," NK Lamba, executive engineer of the district irrigation department, told **TOI**.

"We are focusing on ensuring that this water does not cross the Yamuna bundh in the area. At the same time, due to an ongoing railway bridge construction work at Kambaxpur, we expect the flow of water to change course. If that happens, then we will have to look at options to safeguard the areas where the water flows," he added.

Earlier in the day at a review meeting at the collectorate in Surajpur, district magistrate BN Singh ordered officials to remain vigilant. "I've directed that all flood check-ways should be fully active and people who live on the banks of the Yamuna should be alerted," he said. "I've also asked for a comprehensive action plan by all officials concerned."

Hindustan Times notification dated 20.08.2019

hindustantimes

Tuesday, Aug 20, 2019 | 1

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Flood advisory for villages in Noida on Yamuna and Hindon banks

The administration and the irrigation department has asked the villagers to be on alert on Tuesday. Villagers have been asked to move towards a higher ground if they see a rise in the water level on the banks of Yamuna.

Noida Updated: Aug 20, 2019 09:50 IST



Preety Acharya
Hindustan Times, Noida



A view of the Yamuna river as the water level rises after the water released from Hathnikund Barrage.(ANI Photo)



The Gautam Budh Nagar district administration has issued a flood advisory for villages situated on the banks of Yamuna and Hindon rivers after Haryana released over 8.28 lakh cusecs of water from Hathni Kund Barrage on Sunday evening.



Hindustan Times notification dated 20.08.2019 (continued)

 The administration and the irrigation department has asked the villagers to be on alert on Tuesday. Villagers have been asked to move towards a higher ground if they see a rise in the water level on the banks of Yamuna.

 According to the officials, around 6 lakh cusecs of water was released from Hathni Kund Barrage last year, and around 1 lakh cusecs of water had reached GB Nagar and the district experienced no floods.

"This year, over 8.28 lakh cusecs of water has been released and out of it, over 3 lakh cusecs of water is expected to reach our jurisdiction. We have the capacity of handling a maximum of 3.50 lakh of cusecs water. But if the water exceeds beyond this, we could be in trouble. All the villagers living on the banks have been alerted," MN Upadhayay, additional district magistrate (finance), said.

The administration has set up 12 flood posts in the district along with control rooms in Greater Noida and Noida. The district flood task force also held a meeting with all the concerned officials on Monday to prepare for any possible flood-like situation.

Residents living on the banks of Hindon river have been asked to be on alert as well. "If the water level is too high in Yamuna, the water can then flow into Hindon and cause damage. We had a meeting with the irrigation department which informed us that since the region received good rainfall this year time, less water will be absorbed by natural water resources like ponds and other low-lying areas before it reaches GB Nagar," Upadhayay added.

Villages like Kambakshpur, Yakubpur, Momnathal and Safipur are on a high alert. These villages are more prone to flood as they are situated on the bank of Yamuna.

All the lekhpal, sarpanch, SDMs, officials from the irrigation department and local bodies are keeping an eye on the situation.

"Our officials are working round the clock to ensure safety of villagers. The water level is expected to rise higher on Tuesday evening. It takes around 72 hours for water to reach Yamuna in the district," the ADM said.

India Today dated 20.08.2019

Monsoon fury: Yamuna continues to swell, Delhi and Haryana on alert

According to a Delhi government official, the river breached the danger mark of 205.33 metres on Monday and was flowing at 206.40 metres at 9 pm on Tuesday.

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India Today Web Desk

New Delhi

August 20, 2019 UPDATED: August 20, 2019 23:36 IST



Yamuna river is flowing over a meter above the danger mark in Delhi (IANS photo)

HIGHLIGHTS

- Yamuna is flowing above the danger mark in Delhi
- At 9 pm on Tuesday the river was flowing at 206.40 metres
- People living in low-lying areas in Delhi and Haryana are at risk

Annexure 3 Site Photos

Yamuna Site as on 21.08.2019



Yamuna Site as on 21.08.2019





IIS-Larsen & Toubro Consortium

No.: L/IISLT/ENGR/CTP 15C/CONT/GEN/0919/1645

IIS-L&T CONSORTIUM
Vatika Mind Scapes, Tower-'A'
12th floor, 12/1, Sector 27-D,
Delhi-Mathura Road,
Faridabad, Haryana- 121003

Date: 12.09.2019

To,

Dy. Chief Resident Engineer (Dy. CRE),

OCG Consortium (ZMT-4),

D-89, 2nd Floor, Sector-2

Noida-201301

KIND ATTN: Mr. B.D. Garg (Dy. Chief Resident Engineer)

PROJECT: Design & Construction of 03 special steel bridges over existing railways & across rivers Yamuna & Hindon, involving Bridge structure, Approaches in Embankments, Guide bunds & protection works including Testing & Commissioning on Design-Build Lump Sum price basis for Rewari - Dadri section of Western Dedicated Freight Corridor (Phase-2) - Special Steel Bridge Works Contract Package -15C, ICB No. CT P-15C (CA No. HQ/EN/PWC/PHASE-II PKG-15C/D&B/7/IIS-L&T Consortium)

Sub: Flood Alert in the nearby vicinity of river Yamuna of WDFCC-15C

- Ref:**
1. Contractor's Letter no. L/IISLT/ENGR/CTP 15C/CONT/GEN/0819/1627 dated 19.08.2019
 2. Contractor's Letter no. L/IISLT/ENGR/CTP 15C/CONT/GEN/0819/1628 dated 21.08.2019
 3. Engineer's Letter no. L-OCGC-DFCC-ZMT-4-CTP-15C-1909-1819 dated 06.09.2019

Dear Sir,

The Contractor, vide letter cited at Ref- 1. & 2. above, notified about the consequences of flood experienced from 18.08.2019 onwards at Br. No. 180 Yamuna Site. During that period of time, the water level of river Yamuna rose, inundating the entire Site and compelling the Contractor to stall all works including those related to earthwork (Guide Bund and Approach Embankment Work at both A1 & A2 side) and the assembly of steel girders. Newspaper reports related to the catastrophic flood situation of Yamuna along with the site photographs of the period were attached with both the above-referred Contractor's letter for perusal of the Engineer. Owing to the impact of flood situation, it was intimated that the Contractor is entitled to Extension of Time and Additional Costs incurred / to be incurred in line with GCC Sub-Clause 8.4 (b), 19.4 and 20.1, due to such force majeure occurrence, not attributable to the Contractor.

The Engineer vide letter OCGC/1819 dated 06.09.2019 stated that the Yamuna being a perennial river, water levels will vary during monsoon season in river Yamuna. It was also requested to forward details of effect on progress of the work due to the flood situation and connected RFIs raised in this regard for verification purpose.

The Contractor would like to apprise the Engineer that he was prepared for rise in river water level usually encountered during every monsoon season and had taken every safety precaution as the Project Works are executed very close to the river. However, the unprecedented scale of floods escalated to a serious impediment to the Contractor's Works when the river water flooded the whole Project Site of Br. No. 180 engulfing areas up to abutment A1 and approach embankment works of A1 side. Requisite photographs evidencing the same were circulated vide our previous two letters cited at Ref- 1. & 2. above. The Contractor was compelled to stop all Works of Br. No. 180 project site until the level of flood water reduced and the Site became suitable once more for carrying out the Works without compromising on the safety standards.

The list of Works/ obligations that were hampered due to the catastrophic flood situation of river Yamuna is mentioned below:

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CIN:L99999MH1946PLC004768

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IIS-L&T CONSORTIUM
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12th floor, 12/1, Sector 27-D,
Delhi-Mathura Road,
Faridabad, Haryana- 121003

1. Embankment filling work of left guide bund from chainage 100.0 to 460.0 of A2 side
2. Embankment filling work of Approach Embankment of Abutment A2 from chainage 127.318 to 127.390 of A2 side
3. 200 mm thick laying of filter layer of slope from chainage 100.0 to 460.0 of A2 side
4. 300 mm thick stone pitching of slope from chainage 100.0 to 460.0 of A2 side
5. Apron work for toe protection from chainage 220.0 to 460.0 of A2 side
6. Apron work for toe protection from chainage 0.0 to 642.0 of A1 side
7. 300 mm thick stone pitching of slope from chainage 0.0 to 642.0 of A1 side

Further, the Contractor faced severe impediment and was compelled to halt the progress of earthwork of guide bund and approach embankment of A1 side up to 28.08.2019. The stagnant flood water on Site rendered it inaccessible for movement of earthwork material from approved borrow areas located on A1 side of the river, to left Guide Bund and A2 approach embankment. Cleaning of slush after lowering of the flood water also delayed the access from the borrow areas for the movement of earthwork material of left guide bund and approach embankment of A2 side of Br. No. 180. The effects of the force majeure on A2 guide and approach embankment works ceased on 29.08.2019. Details of the approved borrow areas and approval letter ref. no. (containing location of the borrow area) are attached as Annexure – A with this letter.

Moreover, the RFIs are generally raised after completion of preparatory works and to receive consent from the Engineer's site team to proceed with the execution of the said Works. As the Contractor was compelled to stop every site work due to the catastrophic flood situation prevailing at site, no RFIs could be raised in connection with the works hampered during that period of time. Instead, the Contractor is attaching herewith the copy of the flood register maintained by the site team of the Engineer (PMC – 2R) from 17.08.2019 to 29.08.2019 containing signatures of both the personnel of the Engineer and the Contractor as Annexure - B.

Hence, the Contractor is entitled for Extension of Time and Additional Costs incurred / to be incurred pursuant to GCC Sub-Clause 8.4 (b), 19.4 and 20.1 due to above mentioned flood situations (force majeure) not attributable to the Contractor at Yamuna Project site and requests the Engineer to accord its determination in line with GCC Sub-Clause 3.5.

The aforesaid request will not prejudice any of the Contractor's contractual entitlements.

Thanking you and assuring you of our best services at all times.

For IIS - L&T Consortium,

M. Kannan

Authorized Signatory

Project Manager L&T, CTP-15C

Enclosure: 1. Annexure A- Detailed location of the approved Borrow Areas
2. Annexure B- Copy of flood register maintained by the site team of the Engineer

CC: 1. Mr. Praveen Kumar, CGM, DFCC

2. Mr. Noboru Nakagawa, Project Director, OCG Consortium

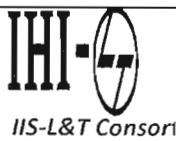
3. Mr. Yukio Nakamura, Project Director, IIS-L&T Consortium

Registered Office: L&T House, N.M. Marg, Ballard Estate, Mumbai - 400 001, INDIA
CIN:L99999MH1946PLC004768

Head Quarters: Larsen & Toubro Limited, L&T Construction, Heavy Civil Infrastructure, Mount Poonamallee Road, Manapakkam, P.B. No.979, Chennai – 600 089, INDIA

L&T Construction – Heavy Civil Infrastructure is a brand of Larsen & Toubro Limited. www.Lntecc.com

ANNEXURE-A



BORROW AREA SUMMARY OF Br. No. 180 of WDFCC-15C

Sl. No.	Borrow Area no.	Location/ Change	Construction site	Lead from ROW(km)	Approved Qty.	Suitable for Embankment/ subgrade	Approval letter Ref. no.
1	126/08	126+200 (L/S)	Yamuna Site	0.2	9000	Embankment	NONO/L/OCGC/DFCC/ZMT-4/CTP-15C/1812/0918 Dated 12.12.2018
2	126/09	126+250 (L/S)	Yamuna Site	0.4	22500	Embankment	NONO/L/OCGC/DFCC/ZMT-4/CTP-15C/1812/0949 Dated 19.12.2018
3	126/12	126+400 (L/S)	Yamuna Site	0.6	39960	Embankment	NONO/L/OCGC/DFCC/ZMT-4/CTP-15C/1901/1014 Dated 08.01.2019
4	126/13	126+000 L/S	Yamuna Site	0.8	25000	Embankment	NONO/L/OCGC/DFCC/ZMT-4/CTP-15C/1903/1236 Dated 11.03.2019
5	126/15	126/000(L/S)	Yamuna Site	0.8	40000	Embankment	NONO/L/OCGC/DFCC/ZMT-4/CTP-15C/1903/1248 Dated 13.03.2019
6	126/16	126/000(L/S)	Yamuna Site	1.0	34980	Embankment	NONO/L/OCGC/DFCC/ZMT-4/CTP-15C/1903/1282 Dated 26.03.2019
7	126/18	126/000(L/S)	Yamuna Site	1.3	5400	Sub-grade	NONO/L/OCGC/DFCC/ZMT-4/CTP-15C/1905/1420 Dated 04.05.2019
8	127/22	127/520 (L/S)	Yamuna Site	0.6	39900	Embankment	NONO/L/OCGC/DFCC/ZMT-4/CTP-15C/1908/1799 Dated 29.08.2019

2019 - Flood and Hindrance Record

ANNEXURE-B

SL No	Date of flood	Extended upto	Effect of flood
05.	17-08-19	A2 to P-8. HFL = 192.10 m Jawar (Jayanta Bus) L.T.	River water decreases level from last day. Flowing in 3 span A2-P10, P9-P8 but there is no soil erosion and cutting on A2 Guide bund. Flowing in safe pattern.
06	18-08-19	HFL = 192.67 m A2 to P8 (Flooded) HFL = 194.56 m Jawar (Jayanta Bus) L.T.	River water level increased. Flowing in 3 spans A2-P10, P9, P8. Also A2 side left Guide Abra could be immersed. But no cutting on A2 Approach as water left Guide Bund except <u>Abra</u> .
07.	19-Aug-2019	A2 to P2 (flood) HFL = 196.500 m Jawar (Jayanta Bus) L.T.	River water level increased flowing in 3 spans upto A2 to P2. Day by day water level will be increased. → Touch upto A1 (1 Pm)
8.	21-Aug-2019	A2 - P1 (flood)	Water Level increased.
9.	22-Aug-2019	A2 - A1 HFL = 196.015 m Jawar (Jayanta Bus) L.T.	Water Level increased. Flood upto P2.

SNo. P	Date of Flood	Extended Up to	Effect of flood
10.	23-Aug-19 ↓	A2-P82	Water level decreased
11	23-Aug-19 ↓	A2-P2	Water Level decreased Up to P-8.
12.	26-Aug-19 ↓	A2-P2	Water Level decreased but no work start due to Mud and some water around the Web Girder.
13.	27 Aug-19 ↓	A2-P2	Water level decreased but no work started. Due to some water & mud around the Girder area. No flood
14.	28 Aug-19 ↓	A2-P9	Flood Water Reduces but Mud at site. Up to P- * Total 6 worker available at A1 Guide Bund (Stone pitching) work) Web Girder to → No work (Area dry) but No labour at site. No flood
15.	29-Aug-19 ↓	A2-P9	Flood Water Reduces but Mud at sites. Due to No work at site EXCEPT A1 Guide Bu. (Stone pitching) G Labour.

Annexure-2

Present photographs of Site affected by monsoon

Yamuna Bridge on 20.08.2020



Yamuna Bridge on 20.08.2020



Yamuna Bridge on 20.08.2020



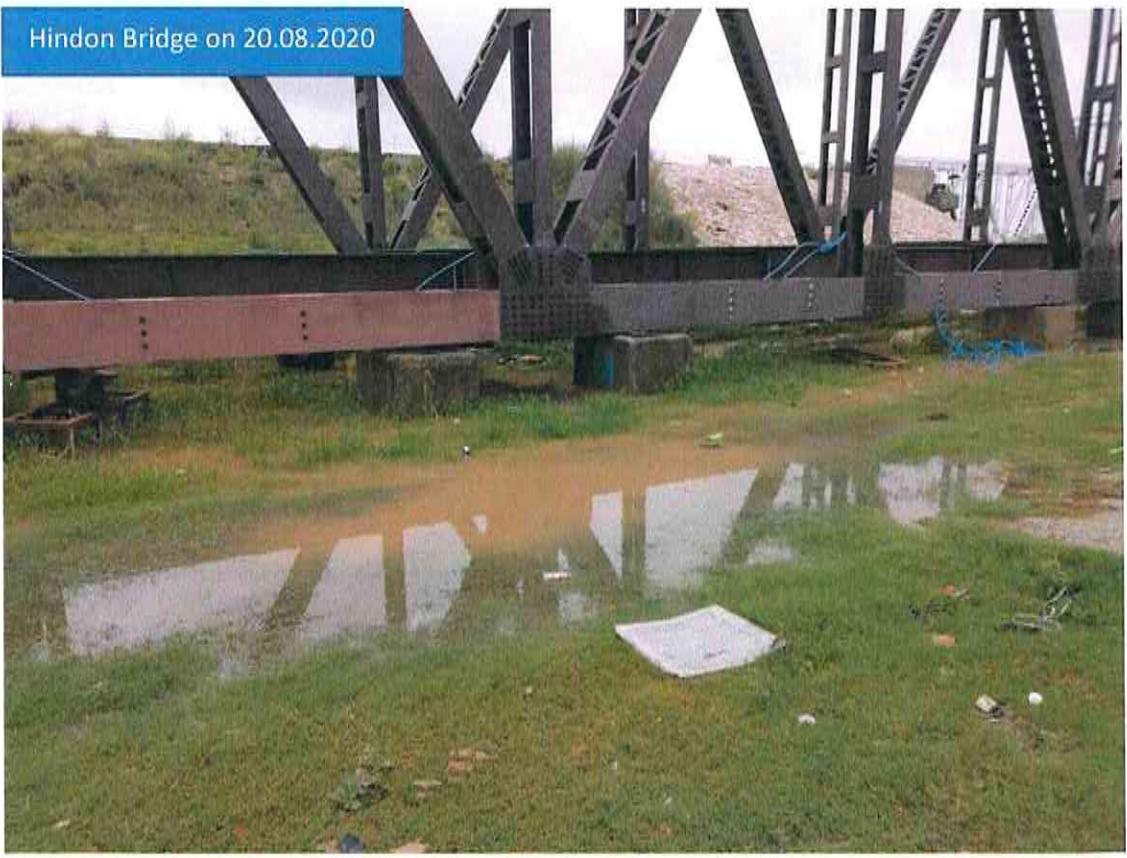
Yamuna Bridge on 20.08.2020



Yamuna Bridge on 20.08.2020



Hindon Bridge on 20.08.2020



Hindon Bridge on 20.08.2020



Hindon Bridge on 20.08.2020



Hindon Bridge on 20.08.2020



Hindon Bridge on 20.08.2020



Hindon Bridge on 20.08.2020



RFO-08 Bridge on 22.08.2020



RFO-08 Bridge on 19.08.2020



RFO-08 Bridge on 19.08.2020



Ref. No. L/OCGC/DFCC/ZMT-4/CTP-15C/2005/2521

Date 01/06/2020

Mr Praveen Kumar Chief General Manager DFCCIL D-89, 1st Floor, Sector-2, Noida Uttar Pradesh-201301	Mr. Yukio Nakamura Project Director IIS-L&T Consortium Vatika Mind Scape Building tower A' 12 th Floor, Sector-27D Delhi-Mathura road, Faridabad-121003 (Haryana)	Mr. M.Kannan, Project Manager-15C, IISLT Consortium, Vatika Mind Scape Building TowerA', 12 th floor, Sector-27 D, Delhi, Mathura road, Faridabad-121003 (Haryana)
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Sub: Minutes of Progress Review Meeting of CTP – 15C held on 27th May'2020

Dear Sir,

Please find enclosed herewith Minutes of Progress Review Meeting of Package CTP – 15C held on 27th May'2020 through virtual conferencing for kind information, necessary action and record.

Thanking you,

Yours Sincerely,

Anmol 1/6
(B.D. Garg)
Dy. Chief Resident Engineer, ZMT-4

Encl: MO Progress Review Meeting

Copy to:

1. Mr. Ashutosh Rankawat, ED/DFCCIL, New Delhi
2. Mr Y.P. Sharma, Dy. CPM/DFCCIL, Noida
3. CMT/PMC-2R

**MINUTES OF PROGRESS REVIEW MEETING OF CTP-15C HELD
ON 27th May'2020 through virtual Conferencing**

Issue Date: 01st June'2020

PARTICIPANTS		
PMC-2R	IISLT CONSORTIUM	DFCCIL
PMC-2R/ZMT-4 Mr. B.D. Garg/Dy. CRE Mr. Dadapeer, RE Mr. Sanjay Mangal, Contract Mgr.	-Mr. M.Kannan/PM -Mr. J.S. Gill, P&M Erection Incharge -Mr. Srinivasan, Planning	Mr. Praveen Kumar, CGM, Noida Mr. Y.P. Sharma, Dy.CPM-Noida
ITEMS		ACTION BY
<p>1. The review meeting was held through virtual conferencing and CGM, Noida presided over the meeting. PM, Shri Kannan apprised about the planning and progress of the balance work for CTP-15C Package.</p> <p>2. <u>Erection of Girders:</u></p> <p>a) Mr. Kannan apprised that 6 girders are ready for erection. Out of these 6 girders, 4 girders have already been painted and 2 are under painting. It was clarified by the CGM, Noida that painting shall not be allowed after the girders are placed in position except touching work. Therefore, Contractor must complete the painting work before erection. Contractor apprised that he plans to complete erection of all six girders by 31st May'2020.</p> <p>b) Tightening of the bolt will be taken up for 6 girders at Yamuna and 4 girders at Hindon which have already been assembled. Their erection will be planned sometime by end of June or July'2020.</p> <p>c) The remaining girders at Yamuna and Hindon shall be assembled and erected by Oct.'2020 end.</p> <p>3. It was further clarified by Dy. CRE that patch repair to painting which are required to be carried out for the girders received from M/s. SISCOL and M/s. Good Luck should be carried out in systematic manner before application of the finishing coat.</p>		IISLT
		IISLT
		IISLT
		IISLT

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|---|--------------|
| <p>4. Regarding Guide Bund, Contractor pointed that out he will start collecting stone immediately and complete the entire Guide Bund work by Oct.'2020 alongwith other misc. works.</p> <p>5. Approaches for RFO has been started and shall be completedby July'2020 end.</p> <p>6. Contractor will also plan repair to the concrete structures which has already been identified and complete before 30th Sept.'2020.</p> <p>7. Assembling of 14 girders, 4 at Hindon and 10 at Yamuna should be taken up on priority.</p> <p>8. Work at A-2 approach at Yamuna should be completed in all respects including pitching by June'2020 end.</p> <p>9. Contractor was further asked to give account for Escrow Account for availing one-time relief as approved by the MD.</p> <p>10. DFCCIL has already taken the decision to defer the mobilization advance recovery with interest payment as per Contact. If Contractor wants to avail this facility, he should give his consent.</p> <p>11. Contractor must plan and complete the balance work by 31st Oct.'2020 and submit his detailed planning in this regard.</p> | <p>IISLT</p> |
|---|--------------|

*Rakesh
1/1*

Ref. No. L/OCGC/DFCC/ZMT-4/CTP-15C/2007/2617

Date 01/07/2020

Mr Praveen Kumar Chief General Manager DFCCIL D-89, 1st Floor, Sector-2, Noida Uttar Pradesh-201301	Mr. Yukio Nakamura Project Director IIS-L&T Consortium Vatika Mind Scape Building tower A' 12 th Floor, Sector-27D Delhi-Mathura road, Faridabad-121003 (Haryana)	Mr. M.Kannan, Project Manager-15C, IISLT Consortium, Vatika Mind Scape Building TowerA', 12 th floor, Sector-27 D, Delhi, Mathura road, Faridabad-121003 (Haryana)
--	---	---

Sub: Minutes of Progress Review Meeting of CTP – 15C held on 30th June'2020

Dear Sir,

Please find enclosed herewith Minutes of Progress Review Meeting of Package CTP – 15C held on 30th June'2020 through virtual conferencing for kind information, necessary action and record.

Thanking you,

Yours Sincerely,


(B.D. Garg)
Dy. Chief Resident Engineer, ZMT-4

Encl: MO Progress Review Meeting

Copy to:

1. Mr. Ashutosh Rankawat, ED/DFCCIL, New Delhi
2. Mr Y.P. Sharma, Dy. CPM/DFCCIL, Noida
3. CMT/PMC-2R

**MINUTES OF PROGRESS REVIEW MEETING OF CTP-15C HELD
ON 30th June'2020 through virtual Conferencing**

Issue Date: 01st July'2020

PARTICIPANTS		
PMC-2R	IISLT CONSORTIUM	DFCCIL
<u>PMC-2R/ZMT-4</u> Mr. B.D. Garg/Dy. CRE Mr. Sanjay Mangal, Contract Mgr.	-Mr. M.Kannan/PM -Mr. J.S. Gill, P&M Erection Incharge -Mr. Srinivasa Moorthy, Planning	Mr. Praveen Kumar, CGM, Noida Mr. Y.P. Sharma, Dy.CPM-Noida
ITEMS	ACTION BY	
1. The review meeting was held through virtual conferencing and CGM, Noida presided over the meeting. PM, Shri Kannan apprised about the planning and progress of the balance work for CTP-15C Package. CGM Noida emphasized for planning of balance work and its early completion. 2. <u>Erection of Girders:</u> a) Yamuna; Mr. Kannan apprised that 6 girders have been erected and 8 more will be erected in the month of July 20. All girders at Yamuna shall be erected by end of Sept 20 b) Hindon; 2 girders will be erected in July 20 and remaining 6 will be erected in Aug/Sept depending on availability of block from barrage authorities..	IISLT	
3. <u>Assembly of Girders:</u> a) Hindon; Seven Girders assembly is in progress at Hindon and assembly for 8th girder shall be completed quickly. Tightening of HFSG bolts shall be completed for all the 8 Girders by July end alongwith the painting work. b) Yamuna; Assembly of girders is in progress . Eight girders are expected to be completed in all respects including bolt tightening by 10 July20. The remaining 8 girders shall be completed by 15 Sept.	IISLT	
	IISLT	

4 RFO; Approaches at A1 side bund shall be completed by 31 July 20 with proper quality and protection works. Similarly approaches at A2 side bund shall be completed by end of Aug20.

5 Guide bunds at Yamuna shall be completed by 31 Oct 20. Contractor assured that stone collection activity for Guide bund will be completed by July end.

6. Contractor shall also plan repair to the concrete structures which has already been identified which shall be started by 10 July positively.

IISLT

7. Contractor assured about completion of the balance work by 31st Oct.'2020. He was asked to submit his detailed planning in this regard.

8. It must be ensured that no painting work shall be carried out in humid climate.

9. CGM Noida emphasized the need for submission of technical paper & technical book on RFO erection and technical video on Yamuna bridge work. These documents shall be submitted latest by 30th July 20 to DFCCIL.

Bmzg
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 IIS - L & T CONSORTIUM	IIS - L & T CONSORTIUM						 डेडिकेटेड फ्रेट कॉरिडोर
	SPECIAL STEEL BRIDGE CONTRACT PACKAGE - CTP-15C						
	REWARI-DADRI (Phase 2)						
<u>REQUEST FOR INSPECTION (RFI)</u>							
Project	: CTP-15C, Design & Construction of 03 Special Steel Bridges across over existing railways and across rivers Yamuna and Hindon.						
Employer	: Dedicated Freight Corridor Corporation Limited						
Engineer	: OCG Consortium (OCG-OCI-NK-NKI-RITES)						
Contractor	: IIS - L&T Consortium						
RFI NO : CTP-15C/4.3.3/0845 D				RFI Date: 20.06.2020 Rev: 0			
Item of Work: Request for Inspection of Stage - 5 Girder Assembly for Pier Between P3 - A2 (Down Track) at Hindon site Bridge No : 188. <i>(Circle - 1)</i>				Area : For Hindon			
Request Proposal For Inspection for the following works, which are/will be ready for inspection Hindon Site							
Location / Chainage : Hindon site				Date : 20.06.2020			
1	C&G	10	Well foundation	19	Site Infra		
2	Earthwork	11	Shuttering/Reinforcement	20	Assembly	v	
3	Blanketing	12	Concreting	21	Bearing		
4	Survey	13	Drain/Retaining Wall/Safety Wall	22	River protection works		
5	Safety	14	Roads	23	Guide bunds		
6	Soil Investigation	15	Utilities	24	Excavation		
7	Identification of Borrow	16	Fabrication	25	QC materials		
8	Office setup	17	Pier/Abutment	26	Painting		
9	Pile foundation	18	Load test	*Please tick the Appropriate Work Type			
Description of Work:		Inspection of Stage - 5 Girder Assembly for Pier Between P3 - A2 (Down Track) at Hindon site Bridge No : 188.					
Specification Clause:							
Drawing No.:							
Reference Standard : Approved Procedure / IRS B-1							
Actual Date of Inspection: <i>20/06/2020 to 20/06/2020</i>							
<p>* After first stage tightening piles are in close contact and clearances are not exceeded in all tanks & fast satisfactory</p> <p>* After second stage tightening , 0.4mm thick feeler gauge check @ DTI was held in all tanks & fast satisfactory.</p>							
* Please Tick the Below							
<input checked="" type="checkbox"/> Approval for Commencement of work		<input checked="" type="checkbox"/> Remedial Works Required as Above but No Further Approval Required		<input checked="" type="checkbox"/> Remedial Works Required as Above But Re-inspection & Approval Required			
Signature :	<i>Rohit Sharma</i> 		<i>Rohit Sharma</i> <i>Co-ordination Officer</i> <i>30/06/2020</i>		Employer		
Name :							
Designation:							
Date :							

IHI-LT IIS-L&T CONSORTIUM	IIS - L & T CONSORTIUM						NFC નેર્સીકેર્ટ એસ્ટ કોર્પોરેશન																																																																					
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RFI NO : CTP-15C/4.3.3/0933				RFI Date:	05/08/2020		Rev:																																																																					
Item of Work: Request for Inspection of Girder Erection - 2 Nos between (P5 - P6 UP Track & DN Track) at Yamuna site Bridge No : 180.				Area : For Yamuna Site																																																																								
<p>Request Proposal For Inspection for the following works, which are/will be ready for inspection Yamuna Site</p> <table border="1"> <tr> <td colspan="4">Location / Chainage : Yamuna site</td> <td colspan="3">Date : 05/08/2020</td> </tr> <tr> <td>1</td> <td>C&G</td> <td>10</td> <td>Well Foundation</td> <td>19</td> <td>Site Infra</td> <td></td> </tr> <tr> <td>2</td> <td>Earthwork</td> <td>11</td> <td>Shuttering/Reinforcement</td> <td>20</td> <td>Erection</td> <td>✓</td> </tr> <tr> <td>3</td> <td>Blanketing</td> <td>12</td> <td>Concreting</td> <td>21</td> <td>Bearing</td> <td></td> </tr> <tr> <td>4</td> <td>Survey</td> <td>13</td> <td>Drain/Retaining Wall/Safety Wall</td> <td>22</td> <td>River protection works</td> <td></td> </tr> <tr> <td>5</td> <td>Safety</td> <td>14</td> <td>Roads</td> <td>23</td> <td>Guide bunds</td> <td></td> </tr> <tr> <td>6</td> <td>Soil Investigation</td> <td>15</td> <td>Utilities</td> <td>24</td> <td>Excavation</td> <td></td> </tr> <tr> <td>7</td> <td>Identification of Borrow</td> <td>16</td> <td>Fabrication</td> <td>25</td> <td>QC materials</td> <td></td> </tr> <tr> <td>8</td> <td>Office setup</td> <td>17</td> <td>Pier/Abutment</td> <td>26</td> <td>Finishing Works</td> <td></td> </tr> <tr> <td>9</td> <td>Pile foundation</td> <td>18</td> <td>Load test</td> <td colspan="3">*Please tick the Appropriate Work Type</td> </tr> </table>							Location / Chainage : Yamuna site				Date : 05/08/2020			1	C&G	10	Well Foundation	19	Site Infra		2	Earthwork	11	Shuttering/Reinforcement	20	Erection	✓	3	Blanketing	12	Concreting	21	Bearing		4	Survey	13	Drain/Retaining Wall/Safety Wall	22	River protection works		5	Safety	14	Roads	23	Guide bunds		6	Soil Investigation	15	Utilities	24	Excavation		7	Identification of Borrow	16	Fabrication	25	QC materials		8	Office setup	17	Pier/Abutment	26	Finishing Works		9	Pile foundation	18	Load test	*Please tick the Appropriate Work Type		
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 IIS - L & T CONSORTIUM	IIS - L & T CONSORTIUM SPECIAL STEEL BRIDGE CONTRACT PACKAGE - CTP-15C REWARI-DADRI (Phase 2)		 डिसीआईसी फ्रेट कॉरिडोर					
REQUEST FOR INSPECTION (RFI)								
Project : CTP-15C, Design & Construction of 03 Special Steel Bridges across over existing railways and across rivers Yamuna and Hindon.								
Employer : Dedicated Freight Corridor Corporation Limited								
Engineer : OCG Consortium (OCG-OCI-NK-NKI-RITES)								
Contractor : IIS - L&T Consortium								
RFI NO : CTP-15C/4.3.3/0934		RFI Date: 07/08/2020	Rev:					
Item of Work: Request for Inspection of Girder Erection - 2 Nos between (P6 - P7 UP Track & DN Track) at Yamuna site Bridge No : 180.		Area : For Yamuna Site						
Request Proposal For Inspection for the following works, which are/will be ready for inspection Yamuna Site								
Location / Chainage : Yamuna site		Date: 07/08/2020						
1	C&G	10	Well foundation	19	Site Infra			
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Specification Clause:								
Drawing No.:								
Reference standard:								
Actual Date of Inspection:		07/08/2020						
<i>Inspection of Girder erection - 2 nos (P6 - P7 UP Track & DN Track) carried out & found satisfactory</i>								
* Please Tick the Below								
<input checked="" type="checkbox"/>	Approval for Commencement of work		<input checked="" type="checkbox"/>	Remedial Works Required as Above but No Further Approval Required		<input checked="" type="checkbox"/>	Remedial Works Required as Above But Re-inspection & Approval Required	
Signature :	Contractor <i>R. N. D.</i> <i>PRABAKARAMOORTHY</i> <i>Senior QA/QC Mech</i> <i>L&T - Construction</i>		<i>Deputy Engineer K. Hemachandran 07/08/2020</i> <i>AR@Achuth</i>			Employer <i>PMC-2R</i>		
Name :								
Designation:								
Date :								



 IIS - L & T CONSORTIUM	IIS - L & T CONSORTIUM SPECIAL STEEL BRIDGE CONTRACT PACKAGE - CTP-15C REWARI-DADRI (Phase 2)						 मेट्रोफेन्ड फ्रेट कॉरिलोर	
	REQUEST FOR INSPECTION (RFI)							
	Project : CTP-15C, Design & Construction of 03 Special Steel Bridges across over existing railways and across rivers Yamuna and Hindon. Employer : Dedicated Freight Corridor Corporation Limited Engineer : OCG Consortium (OCG-OCI-NK-NKI-RITES) Contractor : IIS - L&T Consortium							
RFI NO : CTP-15C/4.3.3/0935				RFI Date: 09/08/2020			Rev:	
Item of Work: Request for Inspection of Girder Erection - 2 Nos between (A1 - P1 UP Track & P1 - P2 UP Track) at Yamuna site Bridge No : 180.				Area : For Yamuna Site				
Request Proposal For Inspection for the following works, which are/will be ready for inspection Yamuna Site								
Location / Chainage : Yamuna site				Date : 09/08/2020				
1	C&G	10	Well foundation	19	Site Infra			
2	Earthwork	11	Shuttering/Reinforcement	20	Erection		v	
3	Blanketing	12	Concreting	21	Bearing			
4	Survey	13	Drain/Retaining Wall/Safety Wall	22	River protection works			
5	Safety	14	Roads	23	Guide bunds			
6	Soil Investigation	15	Utilities	24	Excavation			
7	Identification of Borrow	16	Fabrication	25	QC materials			
8	Office setup	17	Pier/Abutment	26	Finishing Works			
9	Pile foundation	18	Load test		*Please tick the Appropriate Work Type			
Description of Work:		Inspection of Girder Erection - 2 Nos between (A1 - P1 UP Track & P1 - P2 UP Track) at Yamuna site Bridge No : 180.						
Specification Clause:								
Drawing No.:								
Reference standard:								
Actual Date of Inspection:		09/08/2020						
<i>Inspection of Girder erection - 2 nos (A1-P1 UP Track & P1-P2 UP Track) carried out & found satisfactory.</i>								
* Please Tick the Below								
<input checked="" type="checkbox"/> Approval for Commencement of work		<input checked="" type="checkbox"/> Remedial Works Required as Above but No Further Approval Required			<input checked="" type="checkbox"/> Remedial Works Required as Above But Re-inspection & Approval Required			
Signature :	Contractor		<i>Deputy Engineer B. Venkatesh Kumar K. Meenarthan 09/08/2020</i>			Employer		
Name :								
Designation:	<i>PRAKARAMOORTHY Senior QA/QC Mech</i>							
Date :								
L&T - Construction					 ARE/Neelam			

 IIS-L&T CONSORTIUM	IIS - L & T CONSORTIUM SPECIAL STEEL BRIDGE CONTRACT PACKAGE - CTP-15C REWARI-DADRI (Phase 2)						 डिफीसिल एंट कोर्सियर	
	REQUEST FOR INSPECTION (RFI)							
	Project : CTP-15C, Design & Construction of 03 Special Steel Bridges across over existing railways and across rivers Yamuna and Hindon. Employer : Dedicated Freight Corridor Corporation Limited Engineer : OCG Consortium (OCG-OCI-NK-NKI-RITES) Contractor : IIS - L&T Consortium							
RFI NO : CTP-15C/4.3.3/0936				RFI Date: <u>10/08/2020</u>				Rev:
Item of Work: Request for Inspection of Girder Erection - 2 Nos between (P2 - P3 UP Track & P1 - P2 DN Track) at Yamuna site Bridge No : 180.				Area : For Yamuna Site				
Request Proposal For Inspection for the following works, which are/will be ready for inspection Yamuna Site Location / Chainage : Yamuna site Date : <u>10/08/2020</u>								
1	C&G		10	Well foundation		19	Site Infra	
2	Earthwork		11	Shuttering/Reinforcement		20	Erection	✓
3	Blanketing		12	Concreting		21	Bearing	
4	Survey		13	Drain/Retaining Wall/Safety Wall		22	River protection works	
5	Safety		14	Roads		23	Guide bunds	
6	Soil Investigation		15	Utilities		24	Excavation	
7	Identification of Borrow		16	Fabrication		25	QC materials	
8	Office setup		17	Pier/Abutment		26	Finishing Works	
9	Pile foundation		18	Load test			*Please tick the Appropriate Work Type	
Description of Work:		Inspection of Girder Erection - 2 Nos between (P2 - P3 UP Track & P1 - P2 DN Track) at Yamuna site Bridge No : 180.						
Specification Clause:								
Drawing No.:								
Reference standard:								
Actual Date of Inspection: <u>10/08/2020 & 12/08/2020</u>								
<i>Inspection of Girder erection - 2 nos (P2-P3 UP track & P1-P2 DN track) carried out & found satisfactory</i>								
* Please Tick the Below								
<input checked="" type="checkbox"/> Approval for Commencement of work			<input checked="" type="checkbox"/> Remedial Works Required as Above but No Further Approval Required			<input checked="" type="checkbox"/> Remedial Works Required as Above But Re-inspection & Approval Required		
Signature :		Contractor		<i>D. N. S. PRABAKARAMOORTHY Senior QA/QC Mech L&T - Construction</i>			<i>Deepti BEPMC K. Hemavathi 12/08/2020</i>	
Name :								
Designation:								
Date :								
							Employer	
								