



**TENDER PURPOSE**

- NOTES :-**
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS IN METERS UNLESS OTHERWISE SPECIFIED.
  - NO DIMENSIONS SHALL BE SCALED FROM THIS DRAWING, ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
  - CROSS CAMBER OF 2.5% SHALL BE PROVIDED.
  - F.R.L. FOR THE PROPOSED CARRIAGEWAY MAY CHANGE SLIGHTLY IF REQUIRED DURING DETAILED DESIGN DUE TO THE CHANGE IN THE OVERALL DEPTH OF THE SUPERSTRUCTURE INCLUDING WEARING COAT OF 75MM THICKNESS.
  - ACTUAL DEPTH OF FOUNDATION SHALL BE DECIDED BY ENGINEER-IN-CHARGE TO SUIT THE SOIL STRATA MET WITH AT THE SITE.
  - SHAPES AND DIMENSIONS OF ALL STRUCTURAL MEMBERS I.E. PILE, PILE CAP, PIER, PIER CAP ETC. SHOWN ARE TENTATIVE AND SUBJECT TO CHANGE AS PER STRUCTURAL DESIGN AND DRAWING SUBMITTED BY CONSULTANT.
  - ANTI-CRASH BARRIER TO BE PROVIDED AS PER APPROVED DRAWING OF M.O.R.T & H STANDARD AND SHALL BE CAST IN SITU.
  - WEARING COAT THICKNESS 75MM SHALL BE PROVIDED. ROAD SURFACE TO BE MAINTAINED BY MCGM AUTHORITY.
  - MATERIALS**
    - CONCRETE (MIN.) SHALL BE CONTROLLED CONCRETE OF SPECIFIED GRADES -
      - M40 - FOR SUBSTRUCTURE
      - M40 - FOR DECK SLAB, CRASH BARRIER, PILE CAP
      - M40 - FOR PILE
      - M20 - FOR PCC LEVELING COURSE.
    - ALL REINFORCEMENT SHALL BE HYSD CONFIRMING TO IS -1786 FE 500 PROVIDING FUSION BOUNDED EPOXY COATING REINFORCING STEEL BAR AS PER IS:13620
  - THE BRIDGE SHALL BE DESIGNED FOR VEHICULAR LOADINGS AS PER IRC 8 LATEST REVISION.
  - GRADE OF STRUCTURAL STEEL - STAINLESS STEEL HOT ROLLED ANNEALED PICKLED PLATES IRS 450 CR STAINLESS STEEL OF STANDARD IS 6911, HAVING YIELD STRENGTH OF 450 MPA min (Fe-550 MPA).
  - DESIGN STANDARDS - DESIGN FOR VARIOUS COMPONENTS OF THE VIADUCT SHALL BE CARRIED OUT AS PER UNDER MENTIONED IRC CODES OF PRACTICE. (NON EXHAUSTIVE LIST) IRC-6-2017, IRC-112-2011, IRC-78-2014, IRC-5-2015, IRC-22-2015, IRC-24-2010, IRC-83 (PART I TO IV).
  - CLEAR COVER TO OUTER MOST STEEL IS 50mm FOR ALL COMPONENTS EXCEPT FOUNDATIONS WHERE IT SHALL BE 75mm.
  - FOR DETAILS OF DRAINAGE SPOUT REFER MOST'S STANDARD DRAWING NO. SD/303.
  - STRIP SEAL TYPE EXPANSION JOINT SHALL BE PROVIDED.
  - ELASTORIC TYPE BEARING SHALL BE PROVIDED.
  - BINDING WIRES USED FOR REINFORCEMENT AND COVER BLOCKS SHALL BE OF APPROVED G.I. WIRE.
  - ALL THE PREFABRICATED STEEL GIRDERS SHOULD BE LAUNCHED WITH SUITABLE LAUNCHING SCHEME AS PER SITE REQUIREMENT WITH THE APPROVAL OF MCGM.
  - TESTING OF ALL MATERIALS SHALL BE DONE IN NABL APPROVED LABS ONLY.
  - FOR THE SUPERSTRUCTURE OF COMPOSITE GIRDER REFER SEPARATE DRAWING.
  - GAD IS PREPARED WHEN UTILITY SURVEY DETAILS WHERE NOT FURNISHED. HOWEVER PRIOR TO THE EXECUTION OF WORK, UTILITY SURVEY DETAILS SHOULD BE GIVEN TO THE DESIGN CONSULTANT BY MCGM. THE CONTRACTOR SHOULD TAKE CONFIRMATORY BORE HOLE AT THE LOCATION OF PIER P1 & P2 AND SHOULD SUBMIT SOIL INVESTIGATION REPORT TO DESIGN CONSULTANT BEFORE EXECUTION OF WORK.
  - HFL SHOULD BE VERIFIED FROM CONCERN DEPARTMENT BEFORE FINAL APPROVAL TO GAD/ EXECUTION OF WORK.
  - VERTICAL CLEARANCE FROM BED LEVEL TO SOFFIT OF GIRDER SHOULD BE VERIFIED FROM S.W. DEPARTMENT.
  - EXISTING STRUCTURES SAFETY IS RESPONSIBILITY OF CONSTRUCTION AGENCY.

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DATE	12-04-2022	SIGN						
DRAWN	NVL							
CHECKED	RBD							
DESIGN	DPP							
CHECKED	MNP/SGR	R2	02/06/2022	REVISED AS PER THE INSTRUCTION GIVEN BY MCGM OFFICIALS DATED 01.06.2022 ACCORDINGLY CHANGES ARE DONE IN SUPERSTRUCTURE TYPE AND A UTILITY CORRIDOR IS ADDED.	NVL	DPP	MNP/SGR	SSS
APPROVED	SSS	R1	22/04/2022	REVISED AS PER SWD REMARKS RECEIVED FROM MCGM OFFICE ON WHATSAPP DATED 21/04/2022	NVL	DPP	MNP/SGR	SSS
JOB NO.:	MCGM-218	SCALE	AS SHOWN	REV. NO.	DATE OF ISSUE	REVISION DETAILS		
DRAWN	DES.	CHKD.	APRD.					

**CLIENT:**

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**PROJECT:** DEMOLITION OF EXISTING FOB AND CONSTRUCTION OF BRIDGE CONNECTING SHANKAR LANE AND IRANIWADI ROAD NO 4 AT NANDRAM CHAWL

**TITLE:** CONCEPTUAL GENERAL ARRANGEMENT DRAWING FOR IRANIWADI ROAD BRIDGE

**DRG. NO.:** MCGM-218/IRANIWADI-ROAD/GEN/21801/R2

**REV. R2 A1**

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