

NOTE CONTD.....

34. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSION FOR DFCC.

35. THIS DRAWING DEPICTS GA OF BRIDGE AND IS MEANT ONLY FOR THE GUIDANCE OF THE BIDDER. ALL THE BRIDGES SHALL BE DESIGNED BY THE CONTRACTOR AS PER THE GUIDELINES PROVIDED IN BID DOCUMENT AND SHALL BE GOT APPROVED FROM THE ENGINEER.

36. BRIDGES IN STATION YARDS SHALL BE DESIGNED TO CATER TO THE NUMBER OF TRACKS SHOWN IN RESPECTIVE STATION YARD.

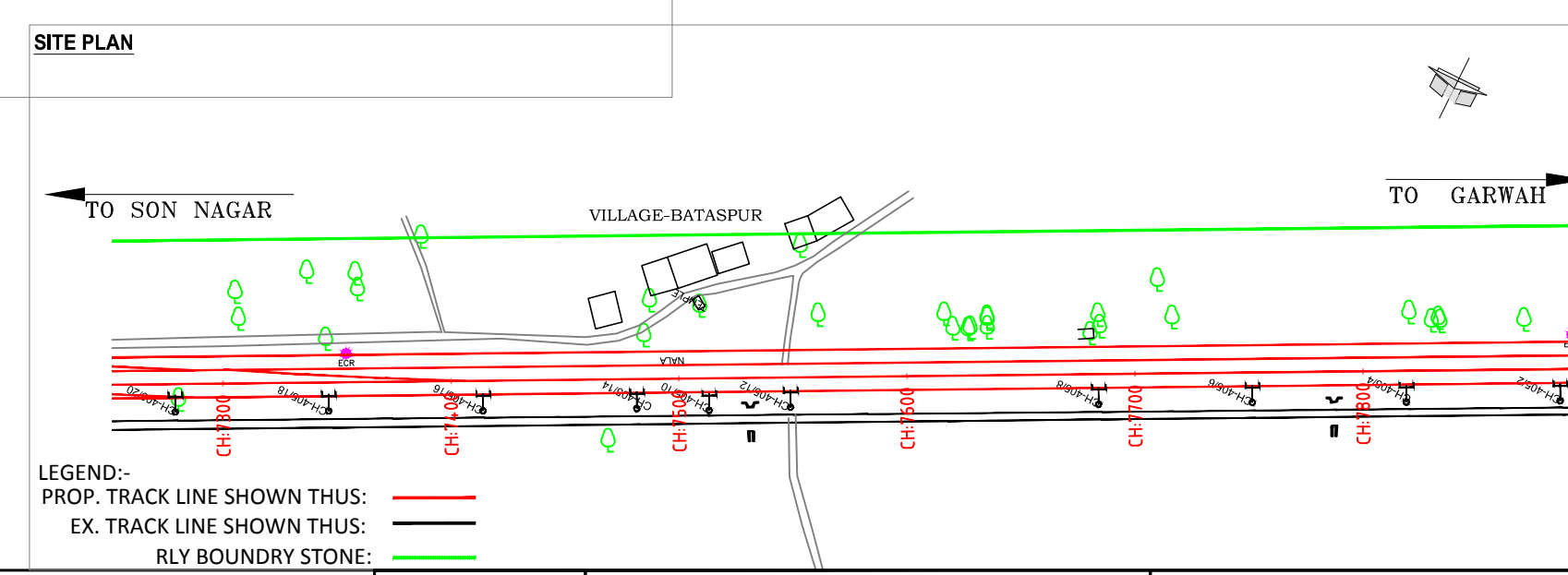
37. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACKS ARE NOT AFFECTED IN ANY WAY. HOWEVER, IF IT IS INESCAPABLE THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION.

38. THE EXECUTION OF WORKS SHALL BE DONE SO AS TO ENSURE THAT EXISTING IR TRACK IS IN SAFE CONDITIONED.

— PROPOSED WORK
 — EXISTING IR LINES
 — IR WORKS

INDICATIVE DRAWING

DFC LOADING 32.5T AXLE LOAD



- NOTES:-**
- ALL DETAILS GIVEN/SHOWN IN THIS GAD ARE INDICATIVE.
 - ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS OTHERWISE SPECIFIED.
 - ALL DIMENSIONS SHOULD BE VERIFIED AND RECONCILED BEFORE EXECUTION.
 - BED SLOPE SHOULD BE KEPT A MINIMUM OF 1 IN 100.
 - CONSTRUCTION JOINTS SHALL BE PROVIDED AS PER IRS CONCRETE BRIDGE CODE.
 - SAFE BEARING CAPACITY OF SOIL SHALL BE DETERMINED BY SUITABLE METHOD BEFORE IT SHALL BE GREATER THAN THE MAXIMUM FOUNDATION PRESSURE UNDER BOX.
 - LOADING TO BE FOLLOWED IS DFC LOADING (32.5T AXLE LOAD).
 - DEPTH AND SIZE OF FOUNDATION AND LEVELS SHALL BE DECIDED BASED ON SITE CONDITION (TYPE OF STRATA AND GROUND LEVELS)
 - THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDERS ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE DIMENSIONS/CONDITIONS.
 - ALL R.C.C. SURFACE COMING IN CONTACT WITH SOIL SHOULD BE PAINTED WITH BITUMEN OR COALTAR OF APPROVED QUALITY @ 1.464g/m².
 - 600MM THICK BOULDER FILLING SHOULD BE WELL HAND PACKED BOULDERS AND COBBLES BEHIND VERTICAL WALLS OF BOX AND RCC WALLS SHOULD BE PROVIDED.
 - BACK FILL MATERIAL SHOULD BE AS PER CLAUSE 7.5 OF THE IRS BRIDGE SUB-STRUCTURE & FOUNDATION CODE
 - VENTILATORS SHOULD BE PROVIDED ABOVE EXISTING ROAD LEVEL.
 - THE DRAWING OF RRC BOX IS BASED ON R.D.S.O DRG. NO. M-00008 AND FOR REINFORCEMENT DETAILS REFER R.D.S.O DRG.NO.B-10151/1 OF SIZE 4.0MX4.0M
 - NOT MORE THAN TWO BOX UNITS SHOULD COME UNDER ONE LENGTH PREFERABLY.
 - LIFTING HOOKS SHOULD BE CUT AFTER THE REPLACEMENT OF THE BASE SLAB UNITS & BOX UNITS.
 - A MINIMUM SAND LAYER OF 200MM TH. TO BE SPREAD BELOW THE BASE SLAB
 - THE JOINT FOR R.C.C. SEGMENTAL BOXES & JOINT OF R.C.C. BASE SLAB UNITS SHOULD BE STAGGERED WITH THE LENGTH OF SEGMENTAL BOXES.
 - AFTER ERECTION OF BOXES IN ALIGNMENT AND AFTER ALLOWING INITIAL SETTLEMENT OF BOXES THE GAP BETWEEN THE BOX UNITS ARE TO BE SEALED WITH THE PRESSURE GROUTED WITH CEMENT EPOXY MORTAR.
 - ENGINEER SHOULD CHECK THE FEASIBILITY AT SITE FOR HANDLING LIFTING AND PLACING OF PRECAST BOX UNITS BY CRANE OR ANY OTHERS MEANS
 - ALL R.C.C. WORKS TO BE DONE AS PER IRS CONCRETE BRIDGE CODE.
 - REINFORCEMENT BARS SHALL BE HSD/TMT OF FE-500 GRADE CONFORMING TO IS:1786-2008 WITH PROTECTIVE COATING OF APPROVED QUALITY.
 - REINFORCEMENT SHALL BE CLEAN AND FREE FROM OIL/MILL SCALE ETC.
 - COLD JOINTS SHOULD BE AVOIDED DURING CONCRETING WORK.
 - LAPPING OF BARS SHOULD BE MINIMIZED AND STAGGERED WHERE NECESSARY MINIMUM LENGTH OF LAP SHALL BE 25 TIMES OF THE SMALLER BAR SIZE PLUS 150MM IN TENSION AND 20 TIMES OF THE SMALLER BAR SIZE PLUS 150MM IN COMPRESSION.
 - INDICATIVE GRADE OF CONCRETE TO BE USED ARE AS FOLLOWS:-
 1) FOR R.C.C BOX M-35 2) FOR C.C WEARING COURSE M25
 3) FOR R.C.C. BASE SLAB M-25 4) LEVELING COURSE M-10
 - TOLERANCE SHALL BE FOLLOWED AS PER IRS CONVERT BRIDGE CODE.
 - THE CONCRETE SHALL INVARIABLY BE VIBRATED BY MECHANICAL MEANS.
 - FULL CURING TIME TO BE ALLOWED 14 DAYS MINIMUM.
 - HEIGHT GAUGE SHOULD BE PROVIDED AS PER RDSO DRG.NO.M-0001.
 - IN ORDER TO STOP WATER IN FILTRATION AT JUNCTION AND ALL ALONG PRECAST BOX SHOULD BE WRAPPED WITH THE PVC WATER PROOFING MEMBRANE(PVC) HAVING MINIMUM THICKNESS OF 2MM OF STANDARD D/N 53370 PROTECTED BY PROTECTIVE LAYER OF GEO TEXTILE WORKS OF UNIT WEIGHT 500 GRAM/M² AND MINIMUM THICKNESS 3.9MM HAVING TENSILE STRENGTH 1000N/5CM.
 - EACH SUMP SHOULD BE CONNECTED TO PIT OF SIZE 1.5M X 1.5M PROVIDED WITH DRAINAGE FILTER AND A DEEP BORING TO DRAIN THE WATER TO GROUND WATER AQUIFER.
 - BEFORE START THE WORK APPROVAL OF CONCERNED AUTHORITY SHALL BE OBTAINED.



DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

NAME OF WORK:-
DESIGN AND CONSTRUCTION OF DFCC WORKS FROM SONNAGAR TO NEWSONNAGAR/BAGAHABISHNUPUR

CONSTRUCTION OF RUB IN LIEU OF LC (BURRIED BOX)
 AT L.C. No 5, DFC CH. 7550 (RLY KM. 405/11-13)
 SPAN 1 x 4.0M x 3.6M RCC BOX

GENERAL ARRANGEMENT DRAWING