



- OPERATION SCHEDULE:-
- THE WORK SHOULD BE DONE UNDER THE SUPERVISION OF RAILWAY OFFICIALS AS PER THE APPROVED DRAWING.
  - EXISTING FOB TO BE DISMANTLED AFTER CONSTRUCTION OF NEW FOB WITH RAMP AND STAIR.
  - PROVISION OF RAILING, ROOF SHEET, PROTECTIVE SCREEN, FLOORING AND PAINTING WORK TO BE DONE.
  - AFTER INSPECTION BY AGEN/ENGINEER IN CHARGE FOB MAY BE OPENED FOR PASSENGERS.
  - PRE-BLOCK ACTIVITY:
    - THE ENTIRE SPAN OF GIRDER OF PROPOSED FOB IS TO BE ASSEMBLED AT A SUITABLE PLACE NEAR PROPOSED LOCATION WITHOUT ANY INFRINGEMENT TO THE RUNNING TRACK AS PER S.O.D. (2022)
    - ISOLATE THE WORK SITE BY BARRIERS AND DISPLAYING OF BANNERS/BOARDS.
    - SPEED RESTRICTION OF 20 KM/H TO BE IMPOSED OVER EXISTING LINES.
    - EXCAVATION OF EARTH & CONSTRUCTION OF FOUNDATION OF TRESTLES TO BE DONE AS PER APPROVED DRAWING. ENSURE THAT THERE IS NO INFRINGEMENT TO THE RUNNING TRAFFIC.
    - PROPER PROTECTION OF TRACK TO BE TAKEN, IF NECESSARY, AS PER SITE CONDITION DURING EXCAVATION OF FOUNDATION OF TRESTLE ADJACENT TO RUNNING TRACK.
    - ERECTION OF TRESTLES AND CONNECTION OF BRACING TO BE DONE TAKING PRE-CAUTIONS TO PREVENT ANY FALLING OF THE MEMBER AS WELL AS AVOIDING INFRINGEMENTS TO THE ADJACENT TRAFFIC.
    - BLOCK ACTIVITY:
      - IN A SUITABLE POWER & TRAFFIC BLOCK, LIFT THE ASSEMBLED GIRDERS ONE BY ONE WITH CRANE OF REQUIRED CAPACITY AND RADIUS & PLACE THE GIRDER/GIRDERS OVER TRESTLES AND SECURE THE GIRDERS AND THEN CONNECT THEM WITH CROSS GIRDERS AND OTHER FITTINGS.
      - AFTER LAUNCHING OF LONG GIRDERS, SHORT GIRDERS TO BE LAUNCHED FOR FURTHER EXPANSION.
    - POST-BLOCK ACTIVITY:
      - SHUTTERING AND CASTING OF RCC DECK SLAB IN THE GANGWAY OVER COMPOSITE GIRDERS TO BE DONE UNDER POWER BLOCK AS PER DRAWING AND TAKING SUITABLE PRECAUTIONS AT SITE.
      - ERECTION OF TRESTLES OF STAIR PORTION AND CONNECTION OF STRINGERS WITH TRESTLE BY PROVIDING ALL FITTINGS TO BE DONE AS PER DRAWING CASTING OF THE STAIR SLABS ALSO TO BE DONE.
      - ERECT AND PLACE THE FRAME OF ROOF TRUSS, RAILING & ROOF COVERING ETC.
      - ALL ACCESSORIES ARE TO BE REMOVED AND NORMAL SECTIONAL SPEED TO BE RESTORED.
      - OPEN THE FOB FOR USE AFTER THOROUGH INSPECTION AND SAFETY CERTIFICATION OF THE WORK BY AGEN/ENGINEER-IN-CHARGE.
- SPECIAL NOTES:-
- SIGNAL & TELECOM CABLES COMING ON THE WAY OF PROPOSED FOB ALIGNMENT SHOULD BE DIVERTED/SHIFTED SUITABLY.
  - CABLE CLEARANCE CERTIFICATE MUST BE OBTAINED FROM S&T DEPARTMENT BEFORE EXECUTION OF WORK.
  - AS PER PARA 9.4 OF RAILWAY BOARD'S LETTER NO. 2018/1.M/PA/D3/06, DATED 09.04.2018, PROVISION OF AMENITIES TO DIVYANGAN REGARDING INTER-PLATFORM TRANSFER OF PASSENGER TO BE KEPT. IN ADDITION, RAMP LEADING TO CROSSING SHALL BE OF GENTLE SLOPE OF 1:12.

- NOTES:-
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED & ALL REDUCED LEVEL ARE SHOWN.
  - ALL DIMENSIONS ARE TO BE VERIFIED AT SITE. DISCREPANCIES IF ANY SHOULD BE RECONCILED BEFORE FABRICATION AND EXECUTION OF WORK.
  - HORIZONTAL AND VERTICAL CLEARANCE SHOULD BE VERIFIED AND ENSURED AS PER B.G. SCHEDULE OF DIMENSIONS (REVISED).
  - BEARING CAPACITY OF SOIL \_\_\_\_\_ T/M<sup>2</sup> AT A DEPTH OF \_\_\_\_\_ M BELOW PLATFORM LEVEL AS PER SOIL INVESTIGATION REPORT.
  - GALVALUME SHEET ROOFING TO BE PROVIDED ON GANGWAY AND STAIR.
  - PROVISION OF PROTECTIVE SCREEN AS PER R.D.S.O. DRG NO. - ETI/C/0068 MOD-H SHOULD BE MADE CONTINUOUS ALONG THE LENGTH OF THE FOB ON BOTH SIDE.
  - LED LIGHT AND ENERGY EFFICIENCY EQUIPMENT TO BE PROVIDED.
  - THERE IS NO INFRINGEMENT TO S.O.D. 2022.
  - QUALITY ASSURANCE PLAN (Q.A.P.) FOR PROPOSED WORK SHOULD BE APPROVED BY DIVISION AND SUBMITTED TO P.C.E. ALONG WITH P.C.E. APPLICATION.
  - FOR DETAILS OF STRUCTURAL DRAWING REFER TO R.D.S.O.'s DRAWING NO.-
    - ADP/B-10433/1 DETAILS OF MAIN GIRDER.
    - RDSD/B-10433/2 DETAILS OF SPLICE JOINT, CAMBER DIAGRAM & WELDING SEQUENCE.
    - RDSD/B-10433/3 DETAILS OF CROSS GIRDER.
    - RDSD/B-10433/4 DETAILS OF MAIN COLUMN & TRESTLE.
    - RDSD/B-10433/5 DETAILS OF ROOFING, DECK SLAB FOR MAIN SPAN & STAIRCASE.
    - RDSD/B-10433/6 DETAILS OF STAIR CASE.
    - RDSD/B-10433/7 PLAN AND ELEVATION OF RAMP.
    - RDSD/B-10433/8 DETAILS OF RAMP.
  - DESIGN & DRAWING OF FOUNDATIONS SHOULD BE PREPARED SEPARATELY BY EXECUTING AGENCY AS PER RAILWAY NORMS & SBC REPORT AND SUBMITTED TO RAILWAY FOR APPROVAL.
  - WORKS NEAR OHE SHOULD BE CARRIED UNDER POWER BLOCK PROTECTION.
  - A CONCRETE PEDAESTAL TO BE PROVIDED AROUND THE TRESTLE AT THE PLATFORM LEVEL AS PER CE's DRG. NO. 33925 TO AVOID CORROSION IN THE STEEL MEMBERS.
  - ALL STEELS FOR GIRDER SHALL BE E330 GRADE 'A' AS PER IS: 2062-2011. RECTANGULAR OR HOLLOW SQUARE STRUCTURAL PIPES OF GRADE YST 310 OR HIGHER TO BE USED AS PER IS: 4923-1997. THIS SHOULD BE ENSURED FROM RDSD'S DRAWING.
  - ALL WELDS ARE 8MM & 10MM FILLET WELDED UNLESS STATED OTHER WISE AND SHOULD CONFORM TO IS-816 & IRS WELDED BRIDGE CODE.
  - ALL RIVETS & BOLTS ARE 20MM Ø & 21.5MM HOLES EXCEPT OTHERWISE STATED.
  - 6 C.C. MIX FOR ALL RCC WORKS GRADE SHOULD BE OF M-35.
  - 25MM THICK CHEQUERED TILES TO BE PROVIDED ON THE PROPOSED GANGWAY AND STAIR CASE.
  - DEPTH OF FOUNDATION OF TRESTLES FROM EXISTING GROUND LEVEL SHOULD NOT BE LESS THAN 2.75M. IT SHOULD BE CONFIRMED AT SITE.
  - SPLICING TO BE DONE AT LOCATION AS PER RDSD'S DRAWING.
  - PRECAUTIONS TO BE TAKEN FOR EXISTING ELECTRICAL UNDERGROUND CABLES FEEDING POWER SUPPLY TO PF LIGHTING.
  - PROVISION TO BE KEPT FOR RELOCATION OF EXISTING ELECTRICAL POLES IN INFRINGING TO PROPOSE FOB.
  - DURING THE EXECUTION OF WORK AT SITE PROPER PRECAUTION SHALL BE TAKEN TO AVOID ANY DAMAGE TO SIGNALING AND TELECOM CABLES & ELECTRICAL UG CABLES.
  - ALL WELDS ARE TO BE MADE BY USING APPROVED WELDING PROCEDURE AND BY QUALIFIED WELDER ONLY AND SHOULD BE DONE BY SUB-MERGED ARC WELDING PROCESS & M-g WELDING ONLY.
  - ALL WELDS ARE TO BE EXAMINED BY RADIOGRAPHIC OR ANY OTHER NON DESTRUCTIVE METHOD WHICH ARE EQUALLY EFFECTIVE.
  - ALL STEEL STRUCTURES OF PROPOSED FOB SHALL BE PROTECTED BY METALIZING FOLLOWED BY PAINTING AS GIVEN IN IRS/BI-2001 (WITH LATEST CORRECTION SLIP) VIDE CBE/GR/C'S LETTER NO. W/BR/FOB, ROB & RUB, DATED 31.10.2018.
  - EXTENSION OF SHED OVER MASONRY STEPS IS SHOWN AS PER CBE/SER/GR/C'S DD SKETCH NO. 690/2022.
  - EXISTING PLATFORM WIDTH AS PER SHOWN IN THIS DRAWING AS PER ACTUAL REQUIREMENT TO AVOID INFRINGEMENT AS PER SOD.
  - ENGINEER IN CHARGE AT SITE SHALL ENSURE THAT SBC IS NOT LESS THAN 15T/M<sup>2</sup>.
  - ALL DIMENSIONS ARE TO BE CHECKED ON FLOOR TEMPLATES BEFORE FABRICATION.
  - ALL METALLIC PART TO BE EARTHENED AS PER SITE REQUIRED.
  - PROVISION OF LIGHTING ARRANGEMENT & INCLUDING P.A. CABLETRAY TO BE MADE SUITABLY.
  - NECESSARY JOINT INSPECTION TO BE DONE BEFORE EXECUTION OF WORK.
  - SAL BULLAH/RAIL PILING/SHEET PILING MAY BE PROVIDED DURING FOUNDATION OF WORK, AS PER THE ACTUAL SITE REQUIREMENTS FOR PROTECTION OF EXISTING TRACK, PLATFORM & ADJOINING STRUCTURES. IT SHOULD BE ENSURED THAT MINIMUM DEPTH OF SAL BULLAH/ RAIL PILING/ SHEET PILING BELOW THE BOTTOM OF THE FOUNDATION I.E. GRIP LENGTH SHOULD BE EQUAL TO THE UNSUPPORTED LENGTH OF SOIL.

CE'S DRAWING NO:-

SOUTH EASTERN RAILWAY CKP DIVISION	
DRG. No.	DRM/RNC'S DRG NO.
SUBJECT	GAD OF PROPOSED 6.0M WIDE FOB WITH RAMP ON PF NO. 1, 2-3 AND 4-5 WITH COMPOSITE I-GIRDER AND TUBULAR SECTION AT ADITYAPUR STATION ON TATA-JSG MAIN LINE SECTION IN CKP DIVISION
SCALE	1:100, 1:25, NTS