



CLIENT:	
HARYANA RAIL INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED (HRIDC)	
CONSULTANT:	
ELITE CONSULTANT 1446/4, 35 CIVIL LINES, BEHIND ROADWAYS, ROORKEE DISTT - HARIDWAR - 247 667 (UTTARAKHAND)	
PROJECT:	
CONDUCTING OUT DETAILS ENGINEERING SURVEY INCLUDING LEVELING, ALIGNMENT DESIGN, GAD OF BRIDGES, BUILDING ETC. SURVEY OF ELECTRICAL AND UNDERGROUND UTILITIES, PREPARATION OF YARD PLAN (ESP) BILL OF QUANTITIES AND OTHER ANCILLARY WORKS IN CONNECTION WITH DEVELOPMENT OF RAILWAY YARD IN MARUTI PLANT AT MANESAR INCLUDING PROPOSED SIDING FROM MANESAR STATION OF HRC.	
TITLE: ESP	
No.: SHEET NO. 01 OF 01	SCALE : 1 : 1,000

- NOTES:-
- EXISTING WORK SHOWN IN BLACK.
  - PROPOSED WORK SHOWN IN RED.
  - ALL DIMENSION ARE IN METER UNLESS OTHERWISE SPECIFIED
  - THROUGH CHAINAGE RECKONED 0.00 FROM C.L. OF NEW PRITHLA STATION BUILDING.
  - CHAINAGES ARE TAKEN FROM C.L. OF MANESAR STATION BUILDING AS 0.00 M.
  - TRACK CIRCUIT FIT FOR PSC SLEEPERS SHALL BE PROVIDED THROUGH OUT THE YARD INCLUDING 400 M FROM OUTER MOST POINT ON EITHER END WITH GLUED INSULATED JOINTS AS REQUIRED BY THE S&T DEPT.
  - ALL LINE POINTS AND CROSSING ARE TO BE LAID WITH 60 Kg WITH 1 IN 8.5 CMS CROSSING.
  - LONG PSC SLEEPERS ARE TO BE PROVIDED FOR P&C TO FIX POINT MACHINE
  - PROVISION HAS BEEN MADE FOR STD.IIR INTER LOCKING AND MACI SIGNALING SYSTEM.
  - ALL LIGHT OVER HEAD UNDERGROUND POWER LINE CROSSING ARE TO BE MODIFIED AS PER THE REGULATION FOR ELECT. TRACKCROSSING - 1987 WHERE EVER REQUIRED.
  - CONDONATIONS FOR KEEPING GRADIENT SLEEPER THAN 1 IN 1200 IN STATION YARD WILL BE OBTAINED FROM COMPETENT AUTHORITY PRIOR TO EXECUTION OF WORK.
  - RAIL LEVEL SHOULD BE 0.742m ABOVE FORMATION LEVEL FOR TRACK STRUCTURE. 60 KG NEW RAIL ON PSC SLEEPER (1660KM) WITH 350mm BALLAST CUSHION.
  - RULLING GRADIENT IS 1 IN 150 OF THIS SECTION (COMPENSATED)
  - CROSS / LONGITUDINAL DRAINAGE ARRANGEMENT BET. TRACK SHOULD BE PROVIDED WHEREVER REQUIRED.
  - TROLLEY REFUGGE IN BANK / CUTTING SHALL BE PROVIDED AS PER PROVISION OF IRPW.
  - CRS. SANCTION WILL BE OBTAINED BEFORE EXECUTION OF WORK FALLING UNDER PARA 1302(2) OF IRPWM.
  - STANDARD OF LOADING (FOR PROP. LINE)-32.5 T LOADING-2008 & HIGH RISE OHE.
  - TELEPHONE CABLE TO BE LAID FOR TELECOMMUNICATION.
  - IT'S CERTIFIED THAT EXIST LEVELS, DETAILS AND CHAINAGES ARE AS PER SURVEY DONE WITH TOTAL STATION AT SITE.
  - FORMATION WIDTH i.e 7850 MM SHALL BE KEPT AS PER C.S NO. 135 OF IRPWM.

ANNEXURE-2.1

GM/HRIDC/GGN	DGM/HRIDC/GGN
CONSULTANT	DWG Section/HRIDC/GGN