

BRIEF DESCRIPTION OF THE PROJECT

Sewa-II Power Station has been constructed by NHPC in the Basohli Tehsil of Kathua District of Union Territory of Jammu & Kashmir. The dam site of the Power Station is at Gatti (Bani) and Power House site is at Mashka. Water is diverted from the dam to Power House through 10.08 km long Head Race Tunnel & 2.0 Kms. Long Penstock. The has been commissioned in July 2010 and has been operational since then.

However, some portion of HRT between Adit-I and Adit-II has been damaged due to landslide/ slip on 25.09.2020. Consequent to which, Sewa-II Power Station is under shutdown and at present efforts are being made to restore Sewa-II Power Station at the earliest to minimize the generation losses.

The existing HRT has been damaged between Adit-I and Adit-II and for restoration of Sewa-II Power Station, a new realigned underground Head Race Tunnel (HRT) is required to be constructed. As per design prepared by NHPC Ltd., a realigned tunnel of approx. 720 m length of finished dia. 3.30 m is to be excavated to bypass the damaged area of HRT and approximately 620 meters of the existing HRT shall be abandoned.


The construction of underground realigned Head Race Tunnel (HRT) shall be done from two faces i.e. from Adit-I side and Adit-II side. The construction drawing showing the realigned HRT is enclosed herewith. The muck generated during the excavation is proposed to be dumped at pre-existing muck dumping sites near Adit-I & II. The land on which Adits exist and muck disposal sites are already available with NHPC.

We have proposed diversion of approx. 720 meter length and 5 meter wide underground area of Forest land to construct the underground realigned Head Race Tunnel (HRT) which an area of 0.36 ha.

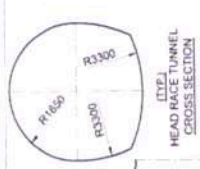
Date:- 08/03/21

Signature:-

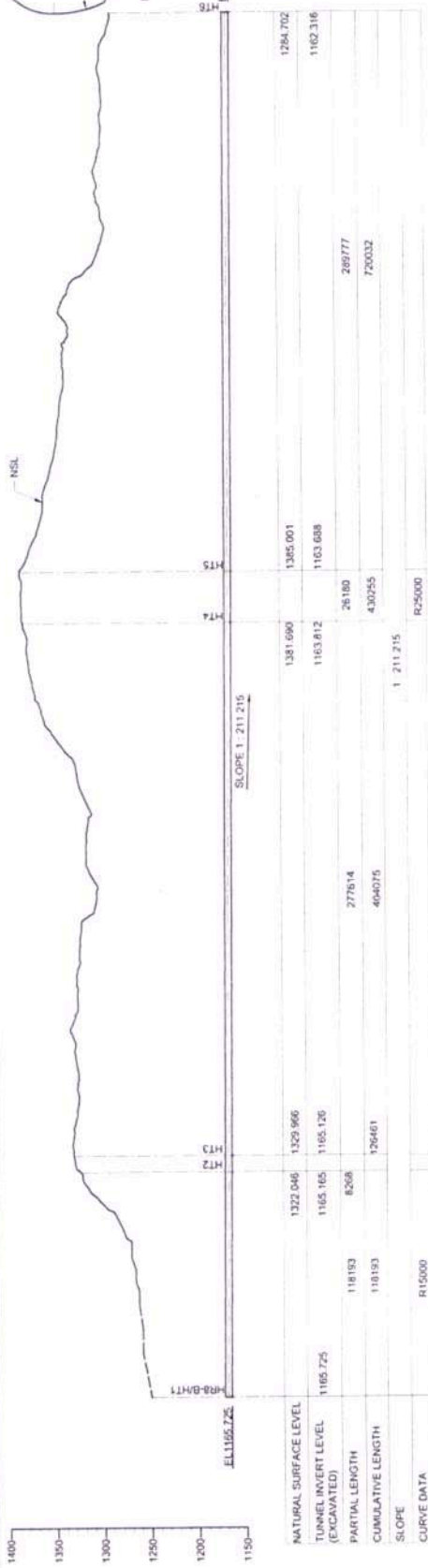
Name:-


महाप्रबंधक प्रभारी / General Manager i/c
सेवा- II पावर स्टेशन / General Manager (I/C)
Sewa-II Power Station
मशका (जम्मू व कश्मीर)
Mashka, Distt. Kathua (J&K)

Bedi Ram



HEAD RACE TUNNEL CROSS SECTION



LONGITUDINAL SECTION

POINTS	NORTHING	EASTING
HT1	98363.741	191104.264
HT2	98355.219	191151.087
HT3	98248.866	191156.219
HT4	98089.344	191383.430
HT5	98087.131	191408.332
HT6	98209.238	191671.126

NOTES:-

- 1 ALL DIMENSIONS ARE IN METRES. ELEVATIONS ARE IN METRES.
- 2 GRIDS HAVE BEEN REPRODUCED FROM THE SURVEY SHEET RECEIVED FROM THE PWD DIVISION.
- 3 THE ACCURACY OF THE GRID SYSTEM SHALL BE ESTABLISHED WITH EXISTING SURVEY SHEET BENCHMARK AT SITE BEFORE ADOPTING CO-ORDINATES

SCALE: 1:2000



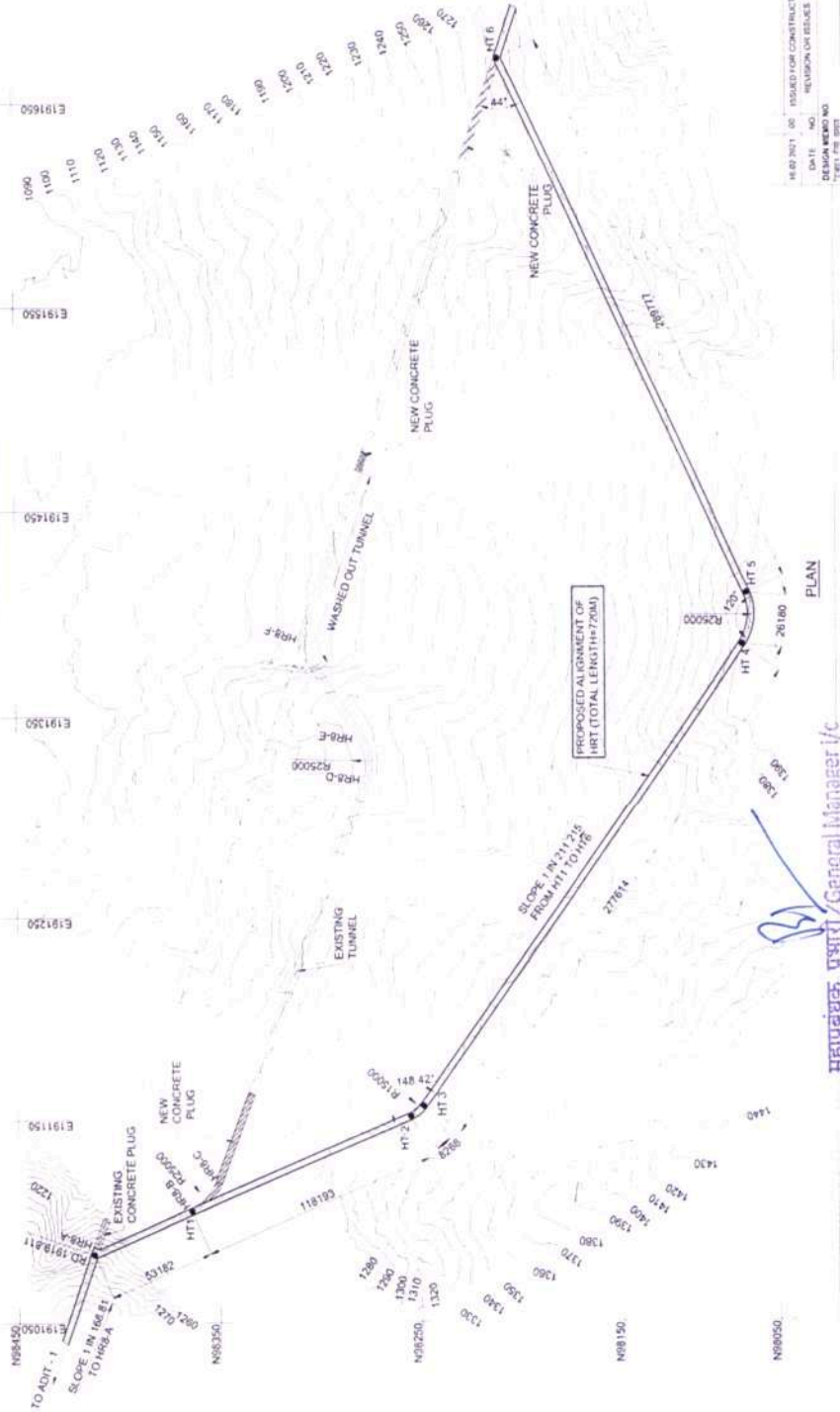
एन एच पी सी लिमिटेड
NHPCL Limited

SEWA-II POWER STATION (J&K)
अवतार-2 (अवतार-2)

HEAD RACE TUNNEL
SETTING OUT DETAILS

APPROVED	FORWARDED	FORWARDED	FORWARDED
DATE	DATE	DATE	DATE
BY	BY	BY	BY
CH. JAIN	CH. JAIN	CH. JAIN	CH. JAIN
27 FEB 2021	27 FEB 2021	27 FEB 2021	27 FEB 2021
DESIGN NO.	DESIGN NO.	DESIGN NO.	DESIGN NO.
3CC3.41 DD 003 00	3CC3.41 DD 003 00	3CC3.41 DD 003 00	3CC3.41 DD 003 00

ISSUED: 02 REV. NO. 03 EFF. DATE: 11.07.2016



महाप्रबंधक, प्रभार/General Manager i/c
सेवा-II पावर स्टेशन /Sewa-II Power Station
एनएचपीसी लिमिटेड /NHPCL Limited
अवतार-2 (अवतार-2) /Avatar-2 (Avatar-2)