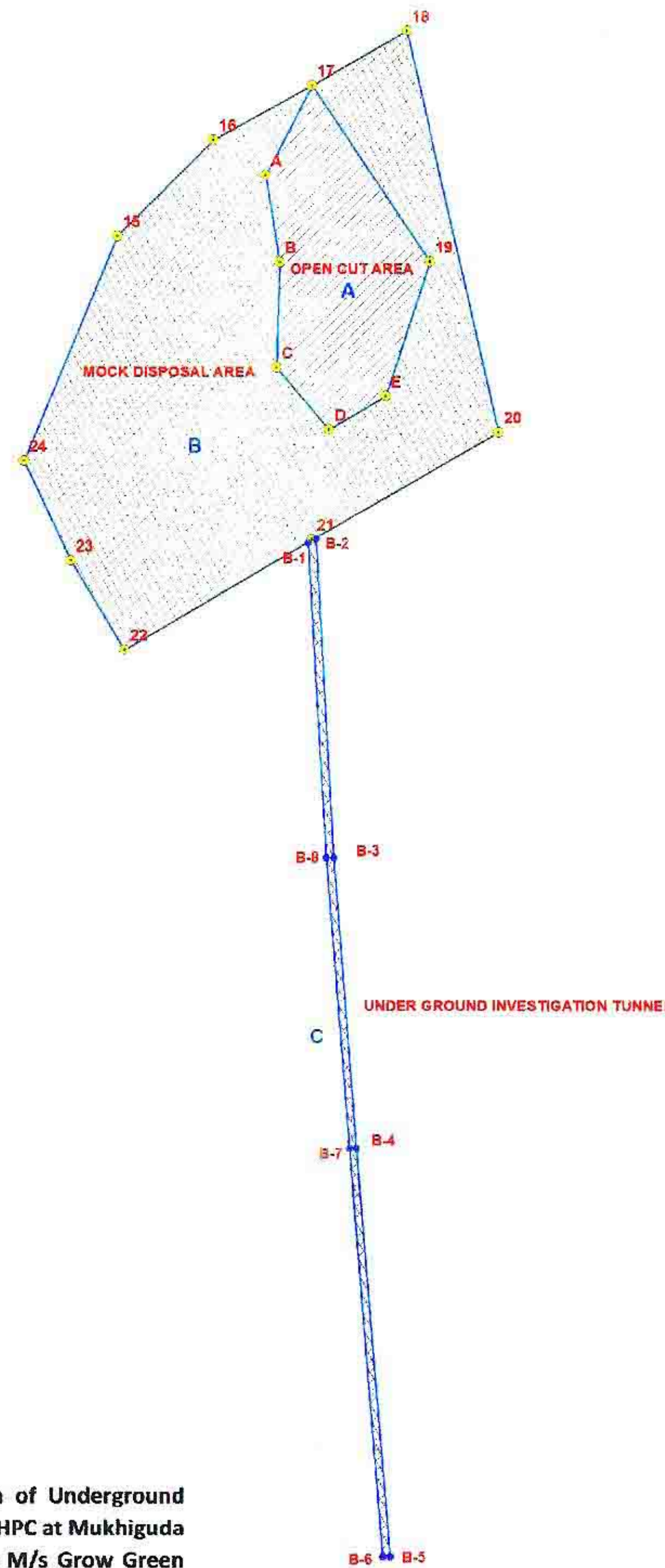


MAP SHOWING DGPS SURVEYED LAND TO BE DIVERTED FOR DRIFTING (MUCK DISPOSAL, OPEN CUT AREA & UNDERGROUND INVESTIGATION TUNNEL)
FOR UPPER-INDRAVATI PUMP STORAGE PROJECT AT MUKHIGUDA IN KALAHANDI DISTRICT



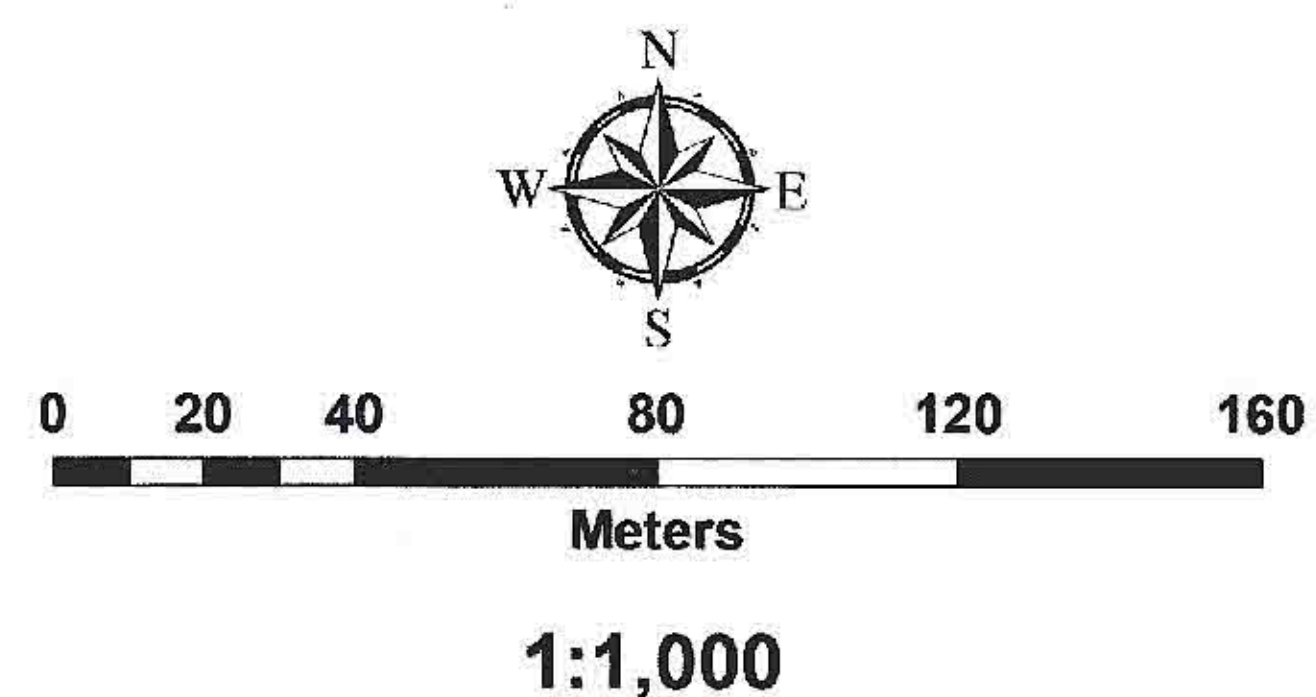
- DGPS Survey of forest areas proposed for diversion for construction of Underground Investigation Tunnel for Upper Indravati pump storage project of M/s. OHPC at Mukhiguda in Kalahandi district has been carried out by the user agency through M/s Grow Green Consortium Pvt. Ltd. Bhubaneswar.
- DGPS Survey Co-ordinates are verified by ORSAC. Also maps showing forest areas proposed for diversion are verified with survey point Co-ordinates and found that maps are correct at a confidence level of 95%.
- Total forest areas proposed for diversion comes in three patches of which two patches are surveyed by ORSAC (Patch-A & B) as shown in the submitted maps and works out to 0.983 Ha. area from the submitted .shp files.

Shri M. K. Sanabada
Scientist, ORSAC
Bhubaneswar

17/01/2020

Auth. Sign

FOREST AREA				
SL NO	PATCH ID	PATCH DETAILS	MAP_AR_HA.	SURVEYED BY
1	A	OPEN CUT AREA	0.19	ORSAC
2	B	MOCK DISPOSAL AREA	0.75	ORSAC
3	C	UNDER GROUND INVESTIGATION TUNNEL	0.043	GGCPL
TOTAL AREA PROPOSED FOR DIVERSION			0.983	



Legend

- DGPS SURVEYED PILLARS OF UNDER GROUND TUNNEL CORRIDOR
- ORSAC SURVEYED COORDINATES
- MUCK DISPOSAL AREA
- OPEN CUT AREA
- UNDER GROUND INVESTIGATION TUNNEL

ORSAC SURVEYED DGPS COORDINATES					
SL NO	PILLAR ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	15	82°51'12.28644"	19°25'09.51996"	694604.307	2148271.109
2	16	82°51'13.06332"	19°25'10.25076"	694626.733	2148293.827
3	17	82°51'13.86000"	19°25'10.66008"	694649.831	2148306.664
4	18	82°51'14.62500"	19°25'11.07156"	694672.015	2148319.547
5	19	82°51'14.79924"	19°25'09.29676"	694677.686	2148265.037
6	20	82°51'15.34140"	19°25'07.98780"	694693.940	2148224.956
7	21	82°51'13.82832"	19°25'07.18212"	694650.064	2148199.704
8	22	82°51'12.31812"	19°25'06.35160"	694606.283	2148173.695
9	23	82°51'11.88900"	19°25'07.04244"	694593.534	2148194.798
10	24	82°51'11.51892"	19°25'07.80996"	694582.485	2148218.283
11	A	82°51'13.48200"	19°25'09.97392"	694639.033	2148285.442
12	B	82°51'13.58928"	19°25'09.30792"	694642.383	2148264.995
13	C	82°51'13.55508"	19°25'08.50224"	694641.650	2148240.213
14	D	82°51'13.97484"	19°25'08.02272"	694654.063	2148225.600
15	E	82°51'14.43240"	19°25'08.27508"	694667.324	2148233.505

DGPS SURVEYED COORDINATES OF UNDERGROUND TUNNEL CORRIDOR					
1	B-1	82°51'13.79657"	19°25'07.15817"	694649.144	2148198.957
2	B-2	82°51'13.86382"	19°25'07.18528"	694651.097	2148199.812
3	B-3	82°51'13.98511"	19°25'04.74134"	694655.444	2148124.699
4	B-4	82°51'14.14762"	19°25'02.50583"	694660.925	2148056.01
5	B-5	82°51'14.39331"	19°24'59.37370"	694669.13	2147959.775
6	B-6	82°51'14.33290"	19°24'59.36955"	694667.368	2147959.629
7	B-7	82°51'14.08850"	19°25'02.51292"	694659.198	2148056.209
8	B-8	82°51'13.92235"	19°25'04.74135"	694653.613	2148124.68

SURVEYED & PREPARED
BY
GROW GREEN CONSORTIUM PVT. LTD.

