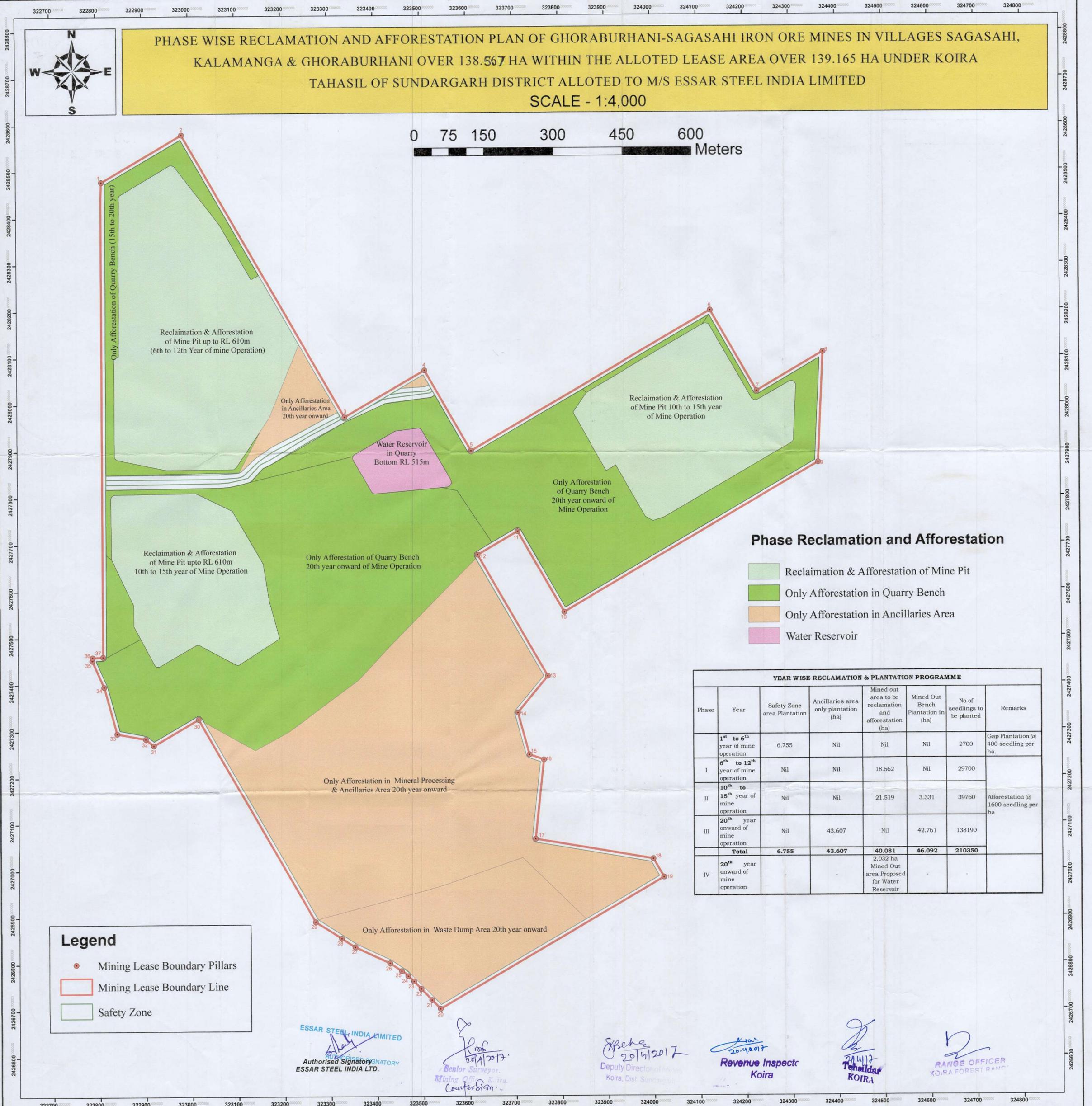
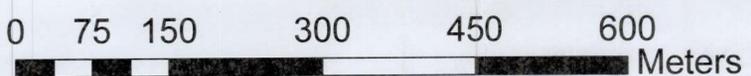


**PHASE WISE RECLAMATION AND AFFORESTATION PLAN OF GHORABURHANI-SAGASAHU IRON ORE MINES IN VILLAGES SAGASAHU,
KALAMANGA & GHORABURHANI OVER 138.567 HA WITHIN THE ALLOTTED LEASE AREA OVER 139.165 HA UNDER KOIRA
TAHASIL OF SUNDARGARH DISTRICT ALLOTTED TO M/S ESSAR STEEL INDIA LIMITED
SCALE - 1:4,000**



Phase Reclamation and Afforestation

- Reclamation & Afforestation of Mine Pit
- Only Afforestation in Quarry Bench
- Only Afforestation in Ancillaries Area
- Water Reservoir

YEAR WISE RECLAMATION & PLANTATION PROGRAMME							
Phase	Year	Safety Zone area Plantation	Ancillaries area only plantation (ha)	Mined out area to be reclamation and afforestation (ha)	Mined Out Bench Plantation in (ha)	No of seedlings to be planted	Remarks
I	1 st to 6 th year of mine operation	6.755	Nil	Nil	Nil	2700	Gap Plantation @ 400 seedling per ha.
	6 th to 12 th year of mine operation	Nil	Nil	18.562	Nil	29700	Afforestation @ 1600 seedling per ha
	10 th to 15 th year of mine operation	Nil	Nil	21.519	3.331	39760	
III	20 th year onward of mine operation	Nil	43.607	Nil	42.761	138190	
Total		6.755	43.607	40.081	46.092	210350	
IV	20 th year onward of mine operation			2.032 ha Mined Out area Proposed for Water Reservoir			

- Legend**
- Mining Lease Boundary Pillars
 - Mining Lease Boundary Line
 - Safety Zone

Authorised Signatory
 ESSAR STEEL INDIA LTD.

Senior Surveyor
 Mining Office, Koira, Sundargarh

Deputy Director of Mines
 Koira, Dist. Sundargarh

Revenue Inspector
 Koira

Tehsildar
 KOIRA

RANGE OFFICER
 KOIRA FOREST RANGE