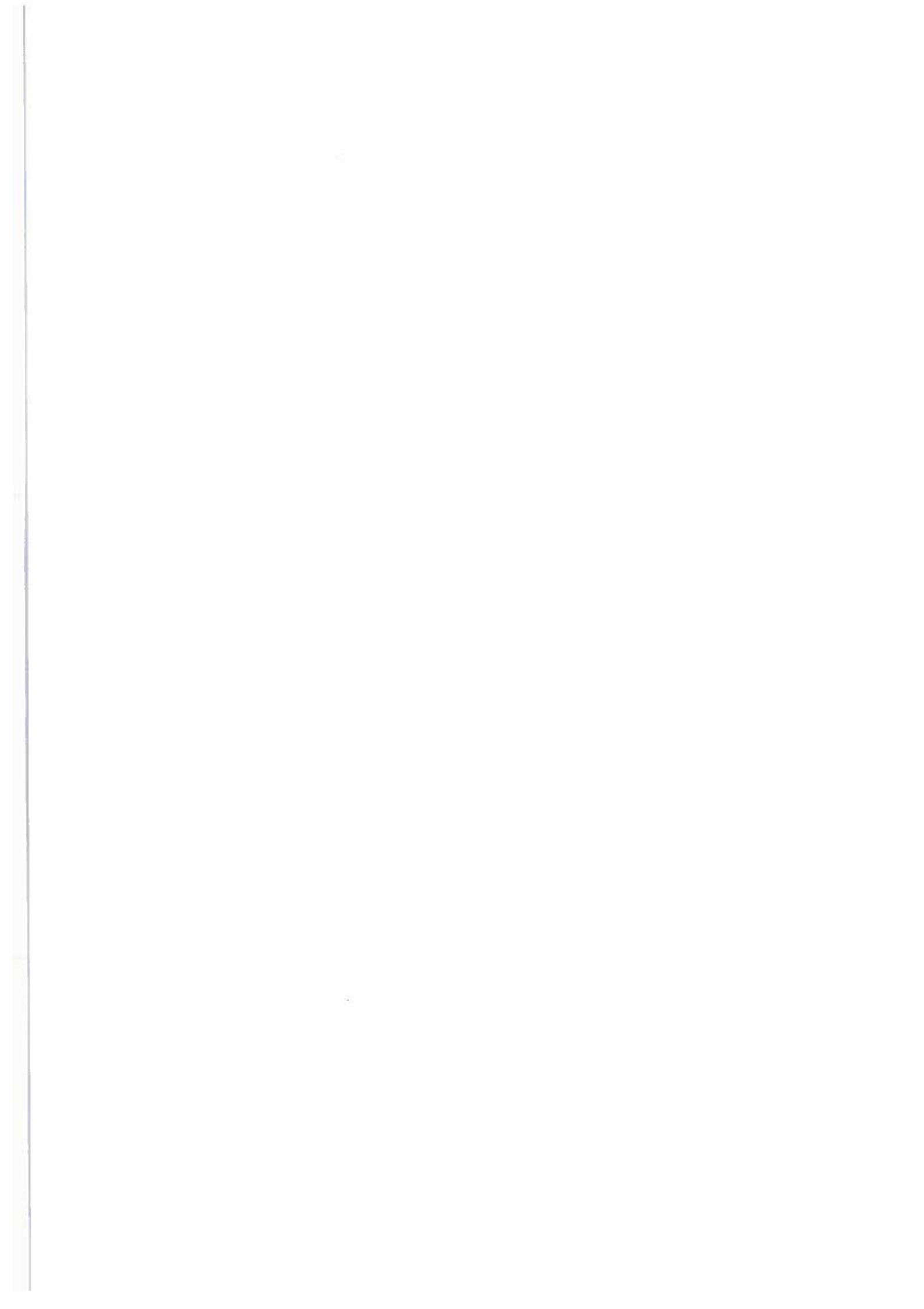


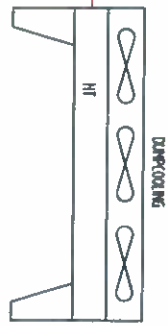


Annex B: Energy Balance

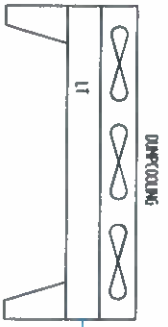




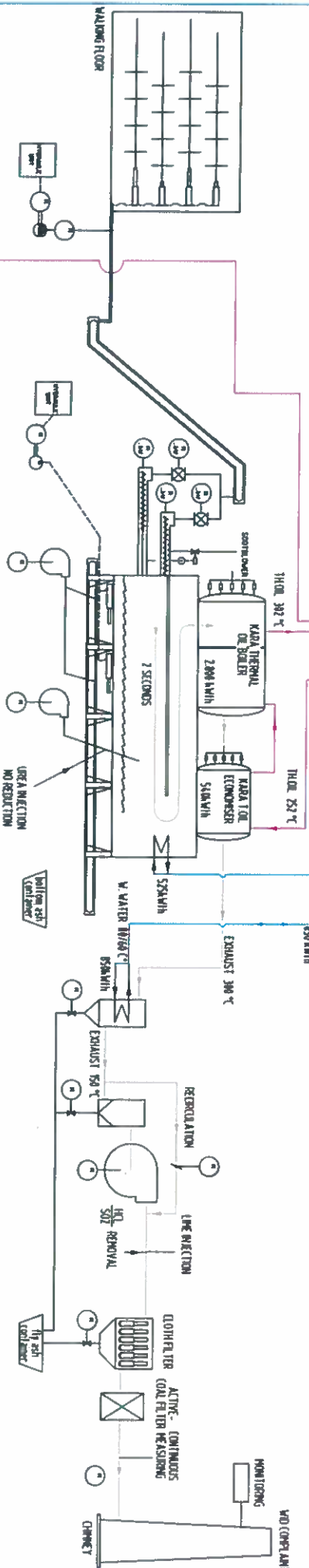
ORC PERFORMANCE	
GROSS POWER GENERATION	59
ORC USE INSTALLATION	643
NETT POWER OUTPUT	32
POWER INPUT THERMAL OIL	611
POWER OUTPUT ON CONDENSER	3148
	244



INPUT DRYER	
OUTPUT DRYER	50
DRYING PERFORMANCE	80
THERMAL CONSUMPTION	0.3-0.8
AIR VOL. MAX.	260 000



ORC PERFORMANCE	
GROSS POWER GENERATION	95
ORC USE INSTALLATION	11
NETT POWER OUTPUT	81
POWER INPUT WATER	1375
POWER OUTPUT ON CONDENSER	1778



INPUT WASTE WOOD BASED ON 20% MO	
DENSITY FUEL	200
ASH CONTENT	3
COMBUSTION WAVE	13100
FUEL SUPPLY	1475
	71

THERMAL CAPACITY FIBRATE	
COMBUSTION AIR	5.491
FUE GASSES (90% C)	14.000
FLAME TEMP	27000
	995

With low Temperature ORC



RAL project Exeter HILLBARTON site
WID compliant plant 695 kWe

NO	DATE	BY	REVISION
A	10/08/2015	AS	
B			
C			
D			
E			

