



	A	B	C	D	E	F	G	H	I	
1			Version 0.1.5		https://www.dbhd-hlw.de/ + http://www.ing-goebel.de					
2	Calculation 7x DBHD nuclear repository south of Kröpelin									
3	Last edit: 12. May 2018 / Dipl.-Ing. Volker Goebel DE / Nuclear Repository Planner ww									
4	Capacity : 2.047 HLW Containers DE / plus 473 HLW Containers from Switzerland									
5	Repository-Storage-Depth : from -2.650 Meters down to -3.350 Meters									
6	Base : Draft-Plans, Pre-Building-Site-Plans / Planning 2014 - 2018 actually Version 1.3									
7										
8										
9		Type of invest	Amount	Offer / Quote	Factor	Total	Comment	dwg		
10				or hint from :						
11		Repository Plans	2014-2018 (3,5 y.)	Ing. V. Goebel+	350'000 €	1'225'000 €	Draft-Plans, B-Plans	yes		
12		Probe-Drillings	14 x	Prof. Dr. Reich	9'000'000 €	126'000'000 €	Cores > -3.800 m			
13		Land Purchase	7,7 km2	from local owners		77'000'000 €	7 x 110.000 m2	yes		
14		Shaft-Boring-Ma.	2 x	Herrenknecht AG	60'000'000 €	120'000'000 €	2 yrs. delivery time	yes		
15		External streets	47 km	make-over		14'000'000 €	New / enhance			
16		DB Rail Connection	3 x	only last meters		18'000'000 €	3 of 6 locations			
17		E-powerconnection	7 x	local Vattenfall		17'500'000 €	10 kV med. voltage			
18		Water-connection	7 x	incl. water		21'000'000 €	10 bar with DN 200			
19		Internal Logistics		anticipation		35'000'000 €	7 building sites	yes		
20		Drill platform core	7 x	43.000 m3	1'000 €	301'000'000 €	floors and walls	yes		
21		Mat. storage ring	7 x	70.000 m3	900 €	441'000'000 €	floors and walls	yes		
22		Conveyor Belts	3 x			60'000'000 €	diverse types			
23		Heavy load trucks				8'000'000 €				
24		Compensations	20.000 Shares	direct local people	30'000 €	600'000'000 €	payment not bribe	yes		
25		Planning Offices	diverse	many disciplines		117'000'000 €	over 10 years			
26		Approval Fees		many agencies		58'000'000 €	to Gov. Agencies			
27		Startfound. SBM	7 x		3'000'000 €	21'000'000 €	temp. Structures			
28		Shaft Drills D=12 m	7 x		50'000'000 €	350'000'000 €	autom. Maschine			
29		Spray-concr.-wall	9,3 m2 x 3.350 m	31.155m3 x 7	600 €/m3	131'000'000 €	steel-fibre-amored	yes		
30		Shaft completion	3 sets	4 companies	46'000'000 €	138'000'000 €	Vent., Transport			
31		Air-Conditioning	8 x		10'000'000 €	80'000'000 €	cold air IN			
32		Cable-Drum-Houses	7 x	140.000 m3	1'000 €	980'000'000 €	Drum-Diam.=24 m			
33		Work-Over Rigs	2 x	Steelbuilders	3'200'000 €	6'400'000 €	with return pulley			
34		Steel-Cables CH	11 x	Fatzer	4.600.000	50'600'000 €	D = 60 mm			
35		Transition Cone	7 x	concrete constr.	1'100'000 €	7'700'000 €	12 m. to 23,3 m.			
36		Hole-opening	7 x	to Diam.=23,3 m.	12'000'000 €	84'000'000 €	with chain-saws			
37		Staff 11,6 years				64'000'000 €	Work & Safety			
38		Rocksalt-Salt-Sale	7 x 500.000 m3	rough quality	50 €/m3	-175'000'000 €	Asse/M./Gorleben	K+S		
39		Concrete-Pellets	315 x	6.634 m2 x 315	600 €/m3	1'254'000'000 €	Quality-Concrete	yes		
40		Closure works	7 x			70'000'000 €	Salt + M. Pressure			
41		building back	7 x			14'000'000 €	farmland again			
42		Unforseeables	11%			559'946'750 €	not BER airport			
43		Total	in July 2018			5'650'371'750 €				
44										
45										
46		plus HLW containers, plus rail-transport, plus law-cases					5,65 Mrd. EUR			
47										
48										
49										