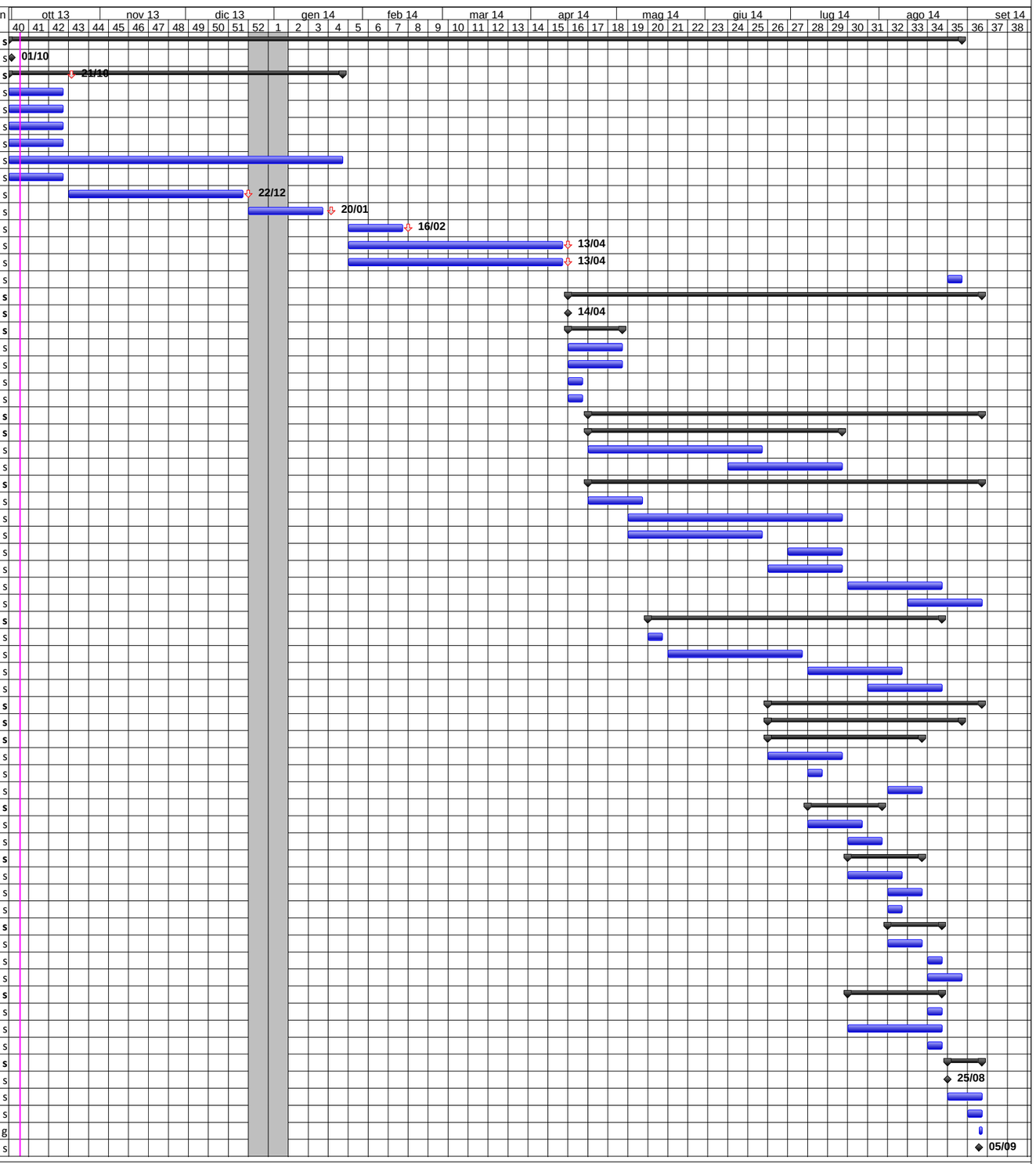
BSMFO 031 LTN EN

Project: CD6C GVOZDAC / CS - Kopaonik (rev. 01)

Customer: Ski Resort of Serbia

LEITNER ropeways

ID	Task Name	Details	Duration
1	**ENGINEERING**		**48 s**
2	Location authorisation		0 s
3	**Preliminary project**	**for submission to the Ministry's revison committee**	**17 s**
4	Architectural / civil project)	"	3 s
5	Mechanical project	"	3 s
6	Electrical project	"	3 s
7	Feasibility study	"	3 s
8	Public discussion on environmental impact study	"	17 s
9	Enviromental impact study	"	3 s
10	Report from the Revision Committe	"	9 s
11	Answers to the Revision Committe's remarks		4 s
12	Preparation of main projects		3 s
13	Authorisations from pertinent authorities	Republic Direction Waters, Local Communal Companies, Office Protection Environment, etc.	11 s
14	Procedure of construction authorisations	receiving authorisations and registration of building site	11 s
15	Material certificates / maintenance manual		1 s
16	**BUILDING SITE**		**21 s**
17	**APPROVAL -> START OF WORK**		**0 s**
18	**PREPARATORY OPERATIONS**		**3 s**
19	Access roads / clearing / site furnishing		3 s
20	Clearing and deforestation		3 s
21	Demolition existing ropeway	top station is the most urgent	1 s
22	Survey stakes		1 s
23	**CIVIL WORKS**		**20 s**
24	**Line**		**13 s**
25	Line foundations	11 foundations	9 s
26	Cable ditch (signal cable)	dev. length ~ 1.250m.	6 s
27	**Return station**	**bottom**	**20 s**
28	Earth works	excavation	3 s
29	Station foundation	concrete works	11 s
30	G-floor / carrier parking	"	7 s
31	G-floor / control room	prefabricated room	3 s
32	G-floor / carrier parking	steel structure	4 s
33	G-floor / carrier parking	covering + side cover walls	5 s
34	Surrounding / additional works	building + station area finishes	4 s
35	**Drive station**	**top**	**15 s**
36	Earth works	excavation	1 s
37	Station foundation	concrete works	7 s
38	G-floor / driwing + low voltage rooms	foundation + prefabricated room	5 s
39	Surrounding / additional works	building + station area finishes	4 s
40	**ASSEMBLING / COMMISSIONING**		**11 s**
41	**Mechanical assembling**		**10 s**
42	**Line**		**8 s**
43	Towers	11 towers	4 s
44	Helicopter		1 s
45	Rope pull + rope splice	Ø 46 mm.	2 s
46	**Drive station**	**top**	**4 s**
47	Structure + drive/tensioning unit	drive fixed	3 s
48	Cover	high	2 s
49	**Return station**	**bottom**	**4 s**
50	Structure + return unit	return tensioned	3 s
51	Cover	high	2 s
52	**Hydraulic installation**		1 s
53	**Carrier parking / carriers**	**bottom**	**3 s**
54	Carrier parking	semiautomatic	2 s
55	Carriers	60 - 6.seater chairs w. bubble	1 s
56	**M-fine tuning**		2 s
57	**Eletrical wiring**		**5 s**
58	Transformer station (power connection)		1 s
59	E-wiring installation		5 s
60	E-wiring carrier parking		1 s
61	**Commissioning**		**2 s**
62	Power connection		0 s
63	Electrical commissioning		2 s
64	Internal tests		1 s
65	Approval		1 g
66	Date of completion		0 s



Revision / Date: 03 / 20.09.13
Map out: BSM / MEM

Task | Break | Milestone | Summary task | Deadline | In Progress