Priloga1/Appendix 1

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<tr><td rowspan="5">Območje plavajoče konstrukcije</td><td>Pokritost do 50 % jezera (v površino se ne vštevajo nepokrite površine segmentov PSE, če gre za konstrukcijsko ločene segmente)</td><td rowspan="5">Floating PV area</td><td>Max 50% of the lake total surface (uncovered areas of the floating PV segments are not included in the sum – if used to provide distance for service corridors or similar)</td></tr>
<tr><td>grafika (.dwg)</td><td>Attached drawing (dwg)</td></tr>
<tr><td>Min 40 m od obale jezera</td><td>Min distance from shoreline</td></tr>
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<tr><td>Izven območja je dopustna le postavitev sidrnih elementov</td><td>Only anchoring allowed outside provided area</td></tr>
<tr><td rowspan="6">Fotonapetostni moduli</td><td>Strešica z naklonom 10-12°</td><td rowspan="6">PV modules</td><td>Roof shaped - Inclination of modules 10-12 °</td></tr>
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<tr><td>najboljša razpoložljiva tehnologija kombinacija steklo-steklo, z monokristalnimi celicami, dokazano odporni proti toči;</td><td>BAT technology – glass-glass combination, monocrystalline cells, proven to withstand hail</td></tr>
<tr><td>Steklo-steklo, monokristalne celice</td><td>Glass-glass, monocrystalline cells</td></tr>
<tr><td>Dokazana odpornost proti toči</td><td>Proven resistance to hail</td></tr>
<tr><td>čim manjša odbojnost sončne svetlobe</td><td>Lowest possible sunligh reflection</td></tr>
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</table>

Vsebina	Pogoj	Content	Condition
	Dokazana varnost in odpornost na vremenske pogoje, valovanje, nihanje gladine vode		Proven safety and resistance to local weather conditions, water level fluctuations
	Neposredni stik podkonstrukcije z vodno gladino do 20%		Direct water surface contact – up-to 20% of total plant area
	Pohodne površine za premikanje ali druge rešitve (treba opisati predlog rešitev manipulativnih površin na PSE)		Describe service and maintenance surfaces on the plant
	Vstopno-izstopna točka na vsakem segmentu, opremljena z ograjo		Entry-exit point on each segment, equiped with safety fence
	Med posameznimi deli konstrukcije zagotoviti čim več stika direktne svetlobe z vodno gladino		Assuring as much as possible sunlight penetration to water surface under and between floating PV Supporting structure
	Razdalja med vodno gladino in najvišjo točko modula: min 0,5 m		Distance between water surface and top of each module: min 0.5 m
	Najvišja točka celotne konstrukcije (razen transformator): 1 m nad vodno gladino		Topmost point of the entire plant (except transformer station): 1 m above water surface
	Več ločenih segmentov – obvezni nepokriti razmiki		Multiple segment design – mandatory uncovered distances between segments
	Vsaj en razmik sever-jug širine min 40 m		At least one dilation in direction north-south of min width 40 m
	Vsaj dva razmika vzhod-zahod širine min 20 m		At lease two dilations in direction east-west of min width 20 m
	Odmik od trase za tekmovalni ribolov: min 150 m (grafika: .dwg)		Distance from sport fishing areas: min 150 m (see attached drawing dwg)
	Skrajni južni rob PSE naj se na območjih odprtih pogledov odmakne 80 m od obale. Odmik naj bo upoštevan zlasti ob delu obale, kjer se kolesarska steza najbolj približa jezeru.		The southernmost edge of the PSE should be set back 80 m from the shore in areas with open views. The setback should be taken into account especially along the part of the shore where the cycle path comes closest to the lake.
Električne inštalacije	Distribuirani razsmerniki nameščeni na posebne nosilce na podkonstrukcijo (ali opis predloga drugačne rešitve)	Electrical installations.	Distributed inverters placed on consoles attached to Supporting structure (or describe alternative solution)

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	Najvišja točka distribuiranega razmernika – približno do zgornjega roba modula		Topmost point of distributed inverters – about to topmost point of modules
	Suhi transformatorji		Dry transformer stations
	Najvišja točka transformatorja: do 2,5 m nad zgornjim robom podkonstrukcije		Topmost point of transformer station: up to 2.5 m above upper edge of Supporting structure
	Kablovodi: nizko in srednjenapetostni		Cabling: low- and medium voltage
	Kablovod po vodi se izvede na plovcih, naj bo čim krajši, zagotovi se čim manjša vidnost		Connecting cable between Supporting structure and shore – should be buoyant with buoys, as short as possible, visibility as low as possible.
Sidranje	V dno, na dno ali v brežine	Anchoring	Into and onto the bottom of the lake and lake shores
	Kombinacija različnih tipov sider		Combination of diverse types of anchors
	Sidranje v brežine: na južni in vzhodni obali		Shore anchoring: south and east coast
	Sidranje v brežine: redkeje postavljena sidra (številka ni določena)		Shore anchoring: seldomly placed anchors (no specific number foreseen)
	Sidranje v/na dno: globina 6 m ali več		Into and onto lake bottom anchoring: depth 6m or more
	Vertikalno nihanje gladine vode: +/- 2 m		Vertical water surface movement: +/- 2m
	Vertikalni pomiki dna jezera: na podlagi geotehničnega poročila		Vertical lake bottom movement: see geotechnical report
	Horizontalni pomiki dna jezera: na podlagi geotehničnega poročila		Horizontal lake bottom movement: see geotechnical report
	Čim manj stika z dnom jezera oz. na način, da se čim bolj omeji dviganje sedimentov		As little contact with the lake bottom as possible, or in a way that minimizes the stirring up of sediments.
	Trpežne vrvi		Durable ropes
Zaščitne boje	min 10 m ob plavajoči konstrukciji	Protective buoys	Minimum 10 m along the floating structure
	Čim manjše in nevpadljivih barv		As small as possible and in unobtrusive colors
Oznake za prepoved dostopa	Namestitev na obali in/ali na pontonske nosilce	Access prohibition markings	Installation on the shore and/or on pontoon supports

Vsebina	Pogoj	Content	Condition
Velja za vse elemente PSE (podati certifikat/dokaz) – najvišja kakovost	požarna odpornost in negorljivost	Applies to all FPV (floating photovoltaic plant) elements (certificate/proof to be provided) – highest quality	Fire resistance and non-combustibility
	Odpornost na UV sevanje, korozijo in fotooksidacijo		Resistance to UV radiation, corrosion, and photooxidation
	Za dolgotrajno uporabo v vodnem okolju (skladno z zahtevami za uporabo v pitni vodi ali akvakulturi)		Suitable for long-term use in aquatic environments (in accordance with requirements for use in drinking water or aquaculture)
	nizka stopnja spiranja		Low rinsing rate
	Vsi materiali morajo biti opremljeni z deklaracijami proizvajalcev o kemijski stabilnosti in skladnosti z okoljsko zakonodajo		All materials must be accompanied by manufacturers' declarations on chemical stability and compliance with environmental legislation
Vstopno-izstopna točka ob obali (plavajoči ponton za privez plovil)	Velikost: čim manjša	Entry/exit point at the shore (Floating pontoon for mooring of vessel)	Size: as small as possible
	Zagotoviti prepuščanje svetlobe		Ensure light permeability
	Čim manj pritrjevanja neposredno v brežine		Minimize direct fastening directly into the shoreline
Dostop za gradnjo	Montažni plato ob južni obali jezera	Access for construction	Assembly platform along the southern shore of the lake
Oblikovanje PSE	En (1) s paneli nepokriti razmik v smeri vzhod-zahod se vzpostavi tako, da sledi glavnemu dostopu do jezera iz Šoštanja	Design of the FPV	One (1) gap without panels in the east–west direction shall be established to follow the main access to the lake from Šoštanj
	Zunanji robovi PSE se izvedejo čim bolj enotno: - ravne linije pretežno v smeri sever-jug in vzhod-zahod - ostalo kot drobno členjene krivulje s čim bolj drobno artikulacijo (na ravni najmanjšega tehnično izvedljivega elementa), ki sledijo zahtevanim odmikom od obale		The outer edges of the FPP (floating photovoltaic plant) shall be designed as uniformly as possible: - straight lines predominantly oriented north–south and east–west - the rest as finely articulated curves with the smallest technically feasible articulation, following the required offsets from the shoreline

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Lokacija postavljanja PSE	Montažni plato	Location of FPV installation	Assembly platform
Čas postavljanja PSE	Izven obdobja: marec-julij	Time of FPV installation	Outside the period: March–July
Invazivne tujerodne vrste: Školjka trikotničarka	Redni pregledi in čiščenje opreme	Invasive alien species: Zebra mussel (Dreissena polymorpha)	Regular inspection and cleaning of equipment
Aeracijski ukrepi (ni obvezno je pa treba predvideti rešitve)	enostavni tehnični aeracijski ukrepi s katerimi se izboljša oksigenacija v hipolimniju in ublaži negativne učinke evtrofikacije	Aeration measures (Not mandatory, but solutions must be foreseen)	Simple technical aeration measures to improve oxygenation in the hypolimnion and mitigate negative effects of eutrophication