



Environmental Permit

Environment Protection Act (CAP. 549)

Permit number:
EP 1028/20

Approved documents
EP 1028/20/1E/1H/11A

The Environment and Resources Authority (hereinafter the Authority; the Competent Authority or ERA) in exercise of its powers under the Environment Protection Act (CAP. 549), hereby authorises:


Mr. Stephen Bonello obo the Public Works Department (hereinafter “the Permit Holder”),
Of / Whose Registered Office (or principal place of business) is at

**Project House,
Triq Francesco Buonamici,
Floriana, FRN 1700**

to carry out rehabilitation works of the existing slipway at

Ramla tal-Qortin, Mellieħa

The validity of this permit is **one (1) year** from the granted date below. An application for renewal of this permit is to be submitted at least **one (1) month** prior to expiry of this permit.

Signed	Date
 Prof Victor Axiak Chairman	Permit Granted: 26 /11/ 2020

Authorised to sign on behalf of the Competent Authority

This page has been deliberately left blank

Conditions

Introductory Note

The permit is granted in accordance with the provisions of the Environment Protection Act and Regulation 18(2) of the Flora, Fauna and Natural Habitats Protection Regulations, 2006 (S.L. 549.44), hereinafter referred to as the Regulations, for the purpose of the activities that shall be carried out within the Special Area of Conservation (SAC) of 'Żona fil-Baħar bejn il-Ponta ta' San Dimitri (Għawdex) u il-Qaliet' (MT0000105) and Special Protection Area (SPA) of 'Il-Baħar ta' madwar Għawdex' (MT0000112).

The activity shall, subject to the conditions of this Permit, be managed, controlled and carried out as described in the NP Application, approved documents, and/or as otherwise previously agreed in writing by the Authority.

Status Log

Detail	Date
<i>Application EP 1028/20</i>	12th October 2020
<i>Permit determined by ERA Board</i>	20th November 2020

Pre-Commencement of activities/ work

1. The Permit Holder shall advise of the dates of works at least seven (7) days prior to the commencement on ced.nature@era.org.mt. In the case of change of date, the permit holder is to inform ERA of such a change at least two (2) days in advance. In the case of short-term cancellation of the activity (especially outside office hours), the Authority should be contacted on 9921 0404.
2. The permit holder is to nominate for ERA approval, at least seven (7) days prior to commencement of works, a suitably qualified and experienced ecological monitor for monitoring of compliance with permit conditions and to ensure that works are carried out with the least possible impact on habitats, species and water quality.

The monitor shall:

- i. be engaged at the expense of the applicant;
- ii. ensure that the works are carried out in line with the permit and without damage to the natural features on site;
- iii. be present on site during the entire duration of the works, unless directed otherwise by ERA officers monitoring the activity on site;
- iv. notify ERA immediately of any breach of conditions.

The project manager and the Permit Holder shall provide all the information and assistance to ensure that monitoring of works is carried out in a satisfactory manner. A monitoring report with photos shall be submitted by the monitor as part of the report of activities to ERA that is to be submitted as per condition 25, not later than one month after to expiry of permit.

No works shall be carried out unless the monitor and monitoring plan are approved by ERA.

Permitted Activities

3. The Permit Holder is authorised to carry out the activities and the associated activities specified in Table 1:

Table 1.		
Activity	Description of specified activity	Limits of specified activity
Rehabilitation works of existing slipway	As described in 1H	(i) Breaking of existing concrete surface; (ii) Trimming of rock below the slipway; (iii) Construction of the new slipway ramps gradient using precast concrete slabs/cast-in situ concrete.

Site

4. The activities authorised under condition 2 shall be affected in the location as marked on the approved site plan 1E.

Conditions of Activity/Work

5. Activities are to be held according to the approved Project Description Statement 1H. No dredging shall take place.
6. The Permit Holder is to implement mitigation measures in order to prevent contamination of the sea from dust, spalls, any other particles or concrete particles/poured liquid concrete.

Mitigation measures shall be in place at all times throughout the activity to ensure that the works do not pose any adverse effect on the marine environment and the coastal area.

While laying the concrete, no material is to be allowed to overspill into the sea. Adequate containment including placing of forms or barriers for placing the soft concrete in place until it cures shall be in place.

7. Underwater dust suppression equipment as per approved Construction Method Statement, 1H including a silt curtain or equivalent, shall be installed in line with good practice as indicated on approved document 11A, prior to commencement of any construction activities and utilised throughout the project all around the edge of the quay to limit any spillages into the sea. No damage to the seabed shall take place.

The silt curtain or equivalent shall be installed around the edge of the slipway to limit any spillages into the sea. No damage to the seabed shall take place as part of the deployment and/or removal.

The silt curtain shall not be removed immediately after works on the slipway have been completed, to ensure that no silt ends up on the adjacent *Posidonia oceanica* patch.

8. Any moorings which shall be used as part of the installation of the silt curtain, shall not be placed on any vegetation which might be present in the area.

9. In case that turbidity occurs outside the area of the silt curtain, works shall be halted until appropriate mitigation measures are put in place.
10. Materials shall be shifted to the designated area for storage of material and equipment as marked by blue in approved document 11A.

The material and waste skips shall be covered in such a way as to avoid contamination of air or water through wind or runoff respectively.

11. Any cut material shall be left to dry for 24 hours in the materials' storage area and cleaned daily from the land area to ensure that no dispersion takes place through wind or water.
12. Following completion of works, the assigned contractor shall be responsible to survey the surrounding area for any construction debris and material. In the eventuality of such material present on any vegetation, the contractor shall be obliged to remove the material and clean the area prior to demobilisation.
13. All reasonable precautions are to be taken to keep the site and its surroundings clean.

The permit holder is responsible for the collection and disposal of any litter, refuse or waste originated during the activity. The site shall be cleaned and restored to its original condition, without causing any harm to the protected area and the surrounding environment.

Rubbish disposal facilities shall be provided by the organisers and any waste generated during the activity is to be collected immediately and disposed of accordingly in accordance with the Waste Management (Activity Registration) Regulations 2007 (S.L. 549.45) and the Waste Regulations, 2011, (S.L. 549.63), including where necessary through the Consignment Permit procedure.

Any skips which are left on site overnight should be closed.

14. The machinery that will be used for the works on site include trucks, a crane, an excavator crane including grab, concrete mixers and a utility van.

The vehicles shall:

- a. Be in a good state of maintenance and in any case do not leak oils or other polluting fluids;
- b. Only make use of existing roads for access;
- c. Be stored overnight in such a manner to avoid any accidents, including due to storms;
- d. Be refuelled in such a manner to avoid spillage into the sea; and
- e. Not be washed on site.

All the equipment, vehicles and materials shall be removed immediately once works are completed.

15. The permit holder shall ensure that disturbance of any specimen of any species is kept to a minimum. It is the responsibility of the permit holder to ensure that no harm is caused to the environment either intentionally or accidentally. Attention must also be afforded to the whole of the environment of the SAC in view of the protection status of SAC.
16. All works shall be carried out between sunrise and sunset.
17. Works shall not be carried out during the official bathing season.

General Conditions

18. The 'Permit Holder', is responsible to ensure that all reasonable precautions are taken so that the activity conforms to the conditions in this Permit and the procedures outlined within the Permit application.
19. The activities covered by this permit are restricted to the Permit Holder, employees and/or volunteers and contracted parties commissioned for such activities/works under his supervision and direction, who shall all be made aware of this Permit and the contents within.
20. The following activities are strictly prohibited:
 - a. the deliberate picking, collection, taking, cutting, uprooting, harming, destroying or damaging deliberately destroying, keeping, transporting, selling, buying exchanging, offering for sale or for exchange, importing or exporting in any way of any specimen of wild flora;
 - b. the deliberate hunting, killing, capturing, taking, harming, disturbance particularly during periods of breeding, rearing, hibernation and migration, destruction and deterioration of breeding sites or resting places, pursuing, taking or attempting to take, deliberately killing or attempting to kill, deliberately destroying, keeping, transporting, selling, buying exchanging, offering for sale or for exchange, importing or exporting any specimen of wild fauna;
 - c. cutting or damaging of reeds, tree branches etc;
 - d. planting of vegetation, shrubs and/or trees or the introduction of any flora or fauna into the site or its environs;
 - e. introduction, removal, significant movement and re-engineering, and/or collection of sand, shingle, stone, soil and/or sediment;
 - f. excavation works and any physical modification of the vegetation cover, the ground and landform of the site and its surroundings;
 - g. generation of excessive noise, including extremely loud music or the use of noisy generators, or light pollution through the use of floodlights;
 - h. disposal, discharge or spillage of oil, fuel, paint or other pollutants, or of solid waste, ash or combustibles;
 - i. lighting of fires.
21. ERA may request updates and/or further information on the activity in question as deemed necessary.
22. The conditions imposed shall be adhered to throughout all the activities. Failure to do so may result in enforcement action and cessation of any related works or activities.
23. ERA may impose other additional rules or conditions, or may amend one or more of the listed rules or conditions, as it deems necessary for the proper conservation of a protected site or area, biodiversity and the environment in general, and to ensure public safety.
24. The Permit Holder may apply for a variation of the Permit and shall seek the Authority's written agreement prior to any operational changes, by sending to the Authority:

- a. Written notice of the details of the proposed change, including an assessment of its possible effects or risks to the environment from the approved activity;
- b. Any relevant supporting information;
- c. Any relevant supporting assessments and drawings, and;
- d. The proposed implementation date.

Any such change shall only be implemented following the issue of a variation of the permit by the Authority.

25. In accordance with Regulation 46(4) of S.L. 549.44, a brief report with photos of the activities held, including any publications as a result of the activity, is to be provided to ERA by the Permit Holder within one month of the expiry of the permit, and is to be submitted to nature.permitting@era.org.mt. Information that should be treated as confidential as outlined in Regulation 48(4) of S.L. 549.44 shall be specified.

A template for the report is available at <http://era.org.mt/en/Documents/Activity%20Report%20template.doc>

26. This permit is granted saving third party rights. The Permit holder is not exempt from any other legislation or regulations, codes of practice, conditions or requirements imposed by any other competent authorities, including the obtaining of permits, licenses, or clearances including from site owners.
27. Any accidental handling, capture or collection of specimens or part thereof, whether dead or alive, of species listed within Schedule V and VI, and endemic species not listed in Schedule X of the Flora, Fauna and Natural Habitats Protection Regulations (S.L. 549.44) shall be reported on nature.permitting@era.org.mt within seven (7) days of sampling of the specimen provided that the permit holder may only keep such specimen or part thereof for scientific research purposes. The Authority may request additional information from the permit holder, including but not limited to, an application for authorisation for the keeping of such specimens or samples.
28. The Authority may suspend or revoke this Environmental Permit in line with the provisions of CAP 549.
29. The Permit Holder shall notify the following matters to the Authority in writing at least 10 working days prior to their occurrence:
 - a. Any change in the Permit Holder's trading name, registered name or registered office address;
 - b. Any change to particulars of the Permit Holder's corporate identity.
30. Upon the joint application of a Permit Holder and a proposed transferee, the Permit Holder may request to transfer an environment permit. The permit shall not be transferred from the Permit Holder without prior approval from the Authority. Upon the Authority's decision to transfer the permit to the transferee, all rights, obligations, liabilities shall subsist onto the transferee.
31. In accordance with Regulation 47 of S.L. 549.44, details of the Permit Holder together with the details of conditions imposed in this Permit shall be maintained by the Authority in a register available for public inspection or maintained in electronic form.
32. The Authority may carry out regular pre-set or unannounced compliance or monitoring checks that vary in frequency according to the site's compliance with the permit conditions and safeguarding of natural assets. Any checks or audits carried out by the

Authority may be made at the Permit Holder's financial expense at rate and arrangement communicated by ERA's Compliance and Enforcement Directorate. ERA may also appoint other on-site monitors at the expense of the Permit Holder to act as an on-site liaison between the Permit Holder and ERA if the case arises.

33. The Authority's representatives may inspect and photograph any part of the site/activity and ask for any closed or locked areas to be opened and may demand to be provided with any proof, documentation, plans, receipts or any other records.
34. This Permit including any Variation Notices or amendments to it shall be made available for any inspection by ERA officials at all times, or any legally recognised compliance and enforcement officials, when requested.
35. Whenever there is a conflict between the conditions of this Permit and approved documents, the conditions of the Permit shall prevail.
36. ERA shall not be held liable for any accidents or injuries which may occur during the activities being permitted through this Permit. It is the responsibility of the Permit Holder to ensure that all safety measures are taken.
37. This permit is without prejudice to any liability of the Permit Holder under the Act and to any punitive measures the Authority may wish to take with respect to works already carried out without permit.
38. This permit is subject to a bank guarantee of **€5000** (five thousand euros). The guarantee is covered in accordance with the Letter of Undertaking covering Government Projects ref MF35/05/160.

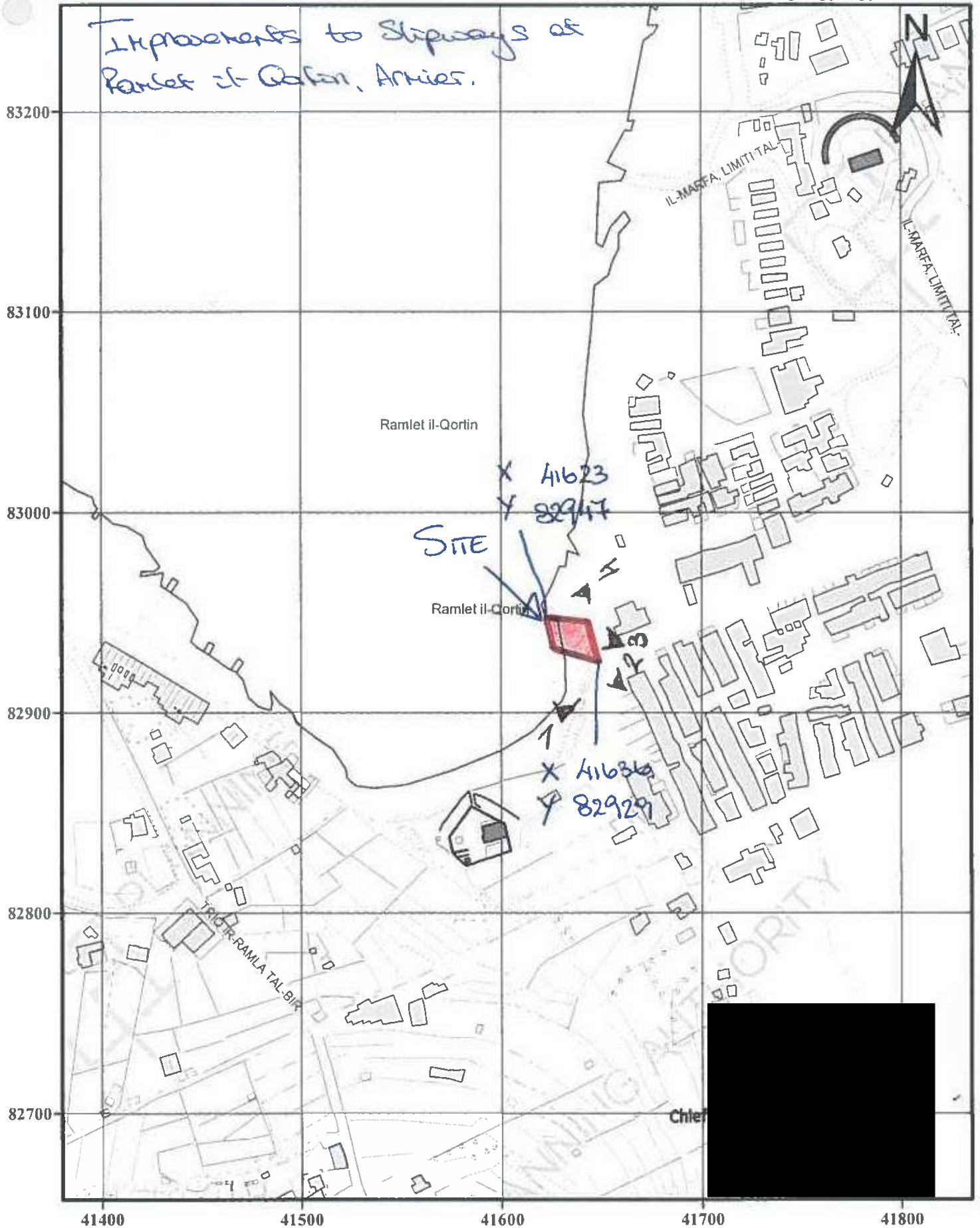
This guarantee shall be maintained throughout the validity of the permit. Following renewal and/or variations to this permit, the Authority may require amendments to the Bank Guarantee.

The Authority may take part or all of the bank guarantee if the Permit Holder fails to take the necessary action, or fails to fulfil his legal obligations under the Act of its subsidiary legislation thereof, in cases of non-compliance with these permit conditions. This bank guarantee is without prejudice to any environmental liabilities incurred by the Permit Holder through failure to adhere to permit conditions or any other works/activity carried out on site. Should the Authority forfeit the Bank Guarantee either in part or in full, the permit holder shall ensure that this is replenished without undue delay in any case not exceeding 2 months from the date of forfeiture.

In cases where the bank guarantee does not cover the expenses incurred by the Authority to take remedial actions on the Permit Holder's behalf, the Permit Holder is to financially reimburse the Authority of all the expenses incurred.

39. The validity of this permit is **for a year from the granting date** of this permit. The Permit Holder may apply for a renewal to this Permit expressing his/her intention at least four (4) weeks prior to the expiry of this permit. Request for renewals shall only be considered upon confirmation of compliance with Permit conditions and fulfilment of documentation as requested by this Permit.

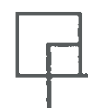
Improvements to Slipways at Ramlet il-Qortin, Armler.



1:2,500 Date Printed: 08/03/2019

Public Geoserver

Compiled and published by the Mapping Unit, Planning Authority ©PA.
 Reproduction in whole or in part by any means is prohibited without the prior permission of the Mapping unit.
 Data Captured from: 1988, 1994, 1998, 2004 & 2008 aerial photography and updates from 2012 orthophotos.
 Truncated U.T.M. Coordinates. Levelling Datum M.S.L. (Mean sea level). Contours when shown are at 2.5m vertical interval. Not to be used for interpretation or scaling of scheme alignments
 Copyright © PA - Planning Authority. Not for resale



PLANNING AUTHORITY

St.Francis Ravelin, Floriana.
 Tel. +356 2290 0000, Fax: +356 2290 2295
 www.pa.org.mt, mappingshop@pa.org.mt

MINISTERU GHAT-TRASPORT
U L-INFRASTRUTTURA
Dipartiment tax-Xoghlijiet u l-Infrastruttura
Sezzjoni Marittima
u ghall-Kontroll ta' l-ilma tax-Xita



MINISTRY FOR TRANSPORT AND
INFRASTRUCTURE
Works and Infrastructure Department
Marine, Storm Water Unit

EP 1028/20/1H

Our Ref : WID 107/2019

Your Ref :

29th May 2019

Project Description Statement for the rehabilitation of existing slipway at Ramla tal-Qortin at Santa Marija Estate, Mellieha

The Marine and Storm Water section of the Works and Infrastructure Department is planning to carryout rehabilitation works to two existing adjoining existing at ir-Ramla tal-Qortin at Armier, l/o Mellieha.

The rehabilitation works are intended to improve the current ramp gradient of the slipways in-order to facilitate the launching of fishing craft and pleasure vessels. The adjacent quay will also be improved by increasing its height above mean sea level to provide some protection to craft and improved facility for the loading/unloading of goods for fishermen and recreational users.

The works involve the breaking of existing concrete surface, trimming of rock below the slipway, and the construction of the new slipway ramps gradient using precast concrete slabs/cast-in situ concrete.

The existing quay on both sides of the slipway will be improved by breaking /scarifying the existing concrete surface (in order to ensure a good bond the old and new concrete) and the laying of a new layer of reinforced concrete.

The works will be confined to the existing slipways and adjacent quay.

Marine Section
Marine, Storm Water & Valley Management Unit
Works and Infrastructure Department
Project House, Triq Francesco Buonamici, FLORIANA FRN 1700, MALTA
TEL: +356 2292 7893 FAX: +356 2124 9521

A silt curtain with floaters will be installed around the slipway so that the area of works is enclosed and fine silt is retained with the construction area.



Figure 1 – Site Location

Justification

Only one slipway is currently being used by the locals with resulting in congestion and queues of boats waiting to launch and take up their fishing craft or recreational craft for in the early morning and the afternoon.

The second slipway ramp is set onto two levels and has a very steep gradient thus making it not attractive to use. Furthermore, the quay protecting this slipway is at level with the mean sea level. Thus the slightest sea swell and slight wind causes overtopping onto the quay and slipway thus making this slipway unusable for the launching of craft and loading/unloading of goods.

The impacts and benefits are outlined below.

- | | |
|----------|---|
| Impacts | <ul style="list-style-type: none">- Better facilities would attract more traffic and trailers to the area for the launching of vessels and craft.- Potential conflicts between bathers and slipway users;- Minimal impact of rehabilitation works on coastal dynamics and marine environment as works are confined to the existing slipway. |
| Benefits | <ul style="list-style-type: none">- improved facilities for fishermen and pleasure craft users- easier access to the sea without damaging their vessels.- Safer and better loading and un-loading of goods along the quay for fisherman and users. |

Operational Time

Normally, works on site are carried out during the Department’s working hours i.e. between 7:00am and 4:00pm.

Heavy Plant

Heavy plant used during the Marine repair works includes the following:

- Trucks
- Crane
- Excavator crane including grab
- Concrete mixers
- Utility van

Supply of building materials and precast elements.

Precast elements will be casted in the contractor’s yard. These loaded on a trailer and delivered to site. These are then hoisted and with a crane and levelled in situ with the assistance of a diver. supplied by a loader and lowered by crane on the seabed.

Concrete to be supplied by truck mixers.

Site preparation

Prior to starting works on site, the area has be hoarded by means of a fence which prevents public access within the site.

A silt curtain with floaters will also be installed around the area of works in prevent the dispersion of fine silt that may be generated during the works.

Slipway Repairs

The procedure to be implemented for the repair works of the slipway which is located in a shallow zone is the following:-

1. Trimming and removal of existing concrete/rock across the width of the slipway in order to obtain the reuquired longitudinal gradient. The works will be carried out by a hydarulic excavator;
2. Trimmed material will be allowed to dry on site for a minimum period of 24 hours prior to placing into tipper trucks and transported to an approved dumping site.
3. Pre-cast levelling beams or precast slabs will be lowered in place, if necessary, and placed to the appropriate gradient.
4. Whenever neccessary any openings formed between the bedrock and precast concrete slabs are blocked by means of sand bags or hessian concrete bags in order to eleminate the dispersion into the adjacent marine environment.
5. Underwater concrete (grade as specified by the Engineer in charge) is cast in the slipway and below the beams, in between and up to the slabs in the case of using precast concrete slabs.
6. Concreting underwater – Concrete will be poured underwater by a crane and a concrete skips or a tremie or a concrete pump. Concrete will also be placed under precast beams and slabs if these are used in the repair works. It will be levelled one and left to gain the required 28 day strength.
7. Conrete will also be laid above water level using as concrete mixer and crane. It will be compated and finshed in a non- slip broom finish.

Once the repair works on the actual slipways is completed, minor repair works to the slipway's embankments (sides) and adjoining concrete deck maybe required.

Quay improvements

The procedure will be as follows:

1. Trimming where necessary and scarifying of the existing concrete surface in order to ensure bonding between old and new concrete layers.
2. The installation of shutter around the quay.
3. The installation of the necessary reinforcement and the concreting of the deck.
4. Installation of berthing hooks and fenders will be finally carried out.

Proposed Site Mitigation Measures

The works are confined to the existing area of the slipway and quays. No work will be carried outside this area both onshore and in the marine environment.

A silt curtain will be installed during the works to reduce the amount of plume that disperses into the adjacent sea areas.

Once all work has been completed, the site will be cleared of building debris, the silt curtain and hoarding removed and plant demobilized. Any damages to the interface will be made good before demobilization.

The site will be monitored by technical personnel and environmental monitor on a daily basis.

No material will be stored on the natural bedrock and coastal garrigue found in the area surrounding the area of works.

Phasing of Project

Due to the exposure of the site, the works cannot be carried out during the winter season. Thus, if weather permits, works will have to be carried out starting late spring. The envisaged phases and timeframes are as follows:

Phasing of works	Duration
Site mobilization	3 days
Excavation works including drying period	6 days
Repair of slipways consisting of laying of precast elements & casting of concrete works	10 days
Erection of formworks around existing deck & concreting of same deck	5 days
Site demobilization	3 days

The total duration for the project not taking into consideration stretches of bad weather which will hinder the works is envisaged to be around 4- 6 weeks.

Once all works have been completed it will be the contractor's responsibility to leave the site clean.

Perit Mario Ellul
Chief A&CE
Marine & Storm Water Unit

