

Report of joint Site Inspection held on 08/03/2024 at Candolim Village, Bardez, Goa as per order dated 01/03/2024 by the Hon'ble NGT Pune in OA no:2/2024.

Background

As per the direction from Hon'ble NGT Pune the joint site inspection was conducted on 08/03/2023 of bund from Nerul bridge to Caculo House.the Joint committee comprises of District Collector North Goa,GCZMA and GSBB.

Inspection and Observation

As per the order from Hon'ble NGT Pune a joint site inspection was carried out on 08/03/2024 by Shri.Ganesh Velip Expert Member (GCZMA),Dr.Vinod Dhargalkar Mangroves Society of India,Shri Keshav Bhagat A.k Dy Collector Bardez, Mrs Varsha Hoble Project Assistant GSBB, Mrs Rajashri Nagvekar Project Assistant GSBB,Shri.Rajesh Harmalkar,Field Surveyor DSLR, Mr. Rajendra Gawas Secretary V.P. Candolim . At site, the officials of WRD Mr. Nazareth Vaz Executive Engineer (WRD) , .Complainant Mr. Cruz Vice President (C.C.F.) were present.

The alleged site is situated along the Nerul creek,below the Candolim Nerul bridge.The property falls in Candolim Panchayat jurisdiction in survey number 241/1, 240/1 and 239/2 as per the DSLR official website.As checked with the 'Bhunksha' the official website of DSLR the Comunidade is the title owner of the survey number.

It was noted that Village Panchayat of Candolim had passed a resolution in the year 2009 for improvement of bund from Nerul Bridge to Caculo House,and the letter is forwarded to WRD to carry out improvement of Bund from Nerul bridge to Caculo house.

This site inspection is recommended once again in the presence of the complainant as this site was already inspected in the presence of the petitioner on 08/02/2024

The details of site inspection are as follows:

- 1) The strengthening and renovation work of bund along the Nerul river starts just below the Nerul bridge at Candolim side till Caculo house for the length of

730.00mtr. The concerned site falls in survey no 241/1, 240/1 and 239/2 of village Candolim Bardez Taluka belongs to Comunidade Property as per form I & XIV.

- 2) This property falls within CRZ III area , also affected by Mangroves, Mangroves Buffer zone which is ecological sensitive areas i.e CRZ IA, and the site is also abutting sluice gates on the bund as per CRZ notification and CZMP 2011.
- 3) There exist two sluice gate along the bund ,out of one is to regulate the tidal influenced water and second was covered with concrete precast concrete slab.
- 4) As noticed during the time of inspection, the carriage width of the bund is 4.00mtr and at two location the carriage width varies i.e 5.00mtr (curvature) and 13.00mtr(cul-de-sac/turning point).Including the pitching and toe wall the width of the bund is 8.00mtr and at one location it is noted is 17.00mtr as per the detailed mapping carried out on 20/02/2024 by Directorate of Settlement and Land Records using Total Station.(Map in 1:1000 scale is attached in Annexure II)
- 5) The RCC retaining wall is constructed along the eastern side of the bund with total varying height of approx.1.80mtr with 0.25mtr wide including the top layer of laterite masonry stone.
- 6) There exist one concrete retaining wall on the western side of the bund on the khazan land of height 0.5mtr and 0.4mtr wide.
- 7) It was noticed during the time of inspection that some trees were cut and mangroves uprooted at different location during the work undertaken for strengthening and renovation of existing bund.
- 8) It was noticed that some cleared dead mangroves wood/branches were seen in the vicinity of the bund at many places.
- 9) It was also noticed that at some places of the bund passes through thick mangrove stand.
- 10) The bund was earlier strengthened by the WRD way back in the year 2013 and as of now the height of the very bund has been increased.
- 11) Site photographs are attached as Annexure I.

Conclusion and Recommendation

- 1) As per CZMP 2011 the identified survey nos. Are categorized as Ecological Sensitive Zone i.e., CRZ IA and also falls in CRZ III river NDZ.
- 2) Barricading should be done at entry and exit of the bund so that stretch of the bund is not be used for vehicular traffic or any commercial activities.





- 3) The mangroves plantation and associated species in the area wherever destruction of mangroves has taken place should be carried out.
- 4) For any further renovation/strengthening of the bund , traditional method, based on ecological principles and with Eco friendly materials may take up for renovation or strengthening of bund.
- 5) More Plantation of Mangroves along the inner side of the bund is to be discouraged considering that this area can be potential for livelihood activities such as agriculture ,pisciculture etc if planned properly.It is also recommended to encourage plantation of mangroves associated species such as like *Salvadora persica* (*Meswak* plant traditionally having applications in oral medicines) which is found to be already growing in the area.This could create more livelihood opportunities in future.


Shri. Ganesh Velip

Expert Member GCZMA


Mrs. Varsha Hoble

Project Assistant GSBB


Shri. Keshav Bhagat

AK Dy. Collector Taluka Bardez

Annexure I



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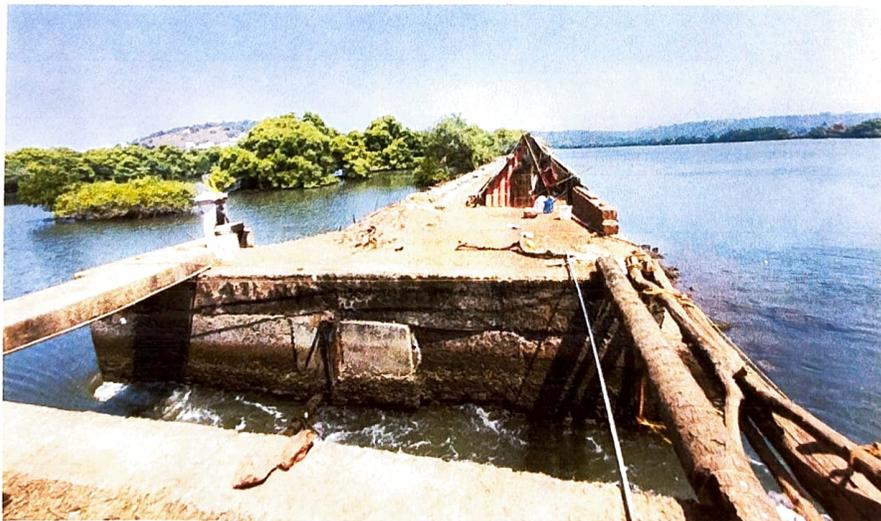
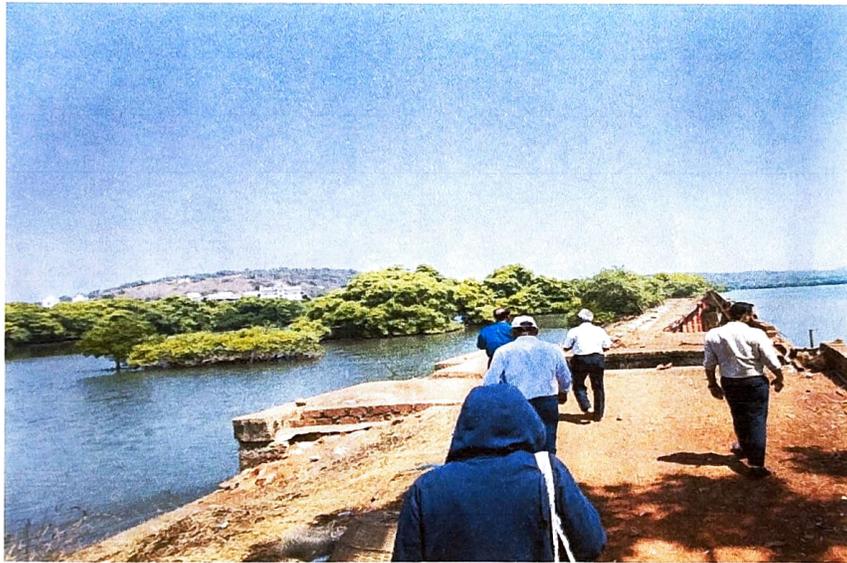
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