

MINUTES OF PRE-BID MEETING HELD ON 22nd DECEMBER 2021 at 1100 HOURS REGARDING TENDER OF “SUSTAINABLE DEVELOPMENT AND ENVIRONMENT MANAGEMENT OF COASTAL REGION AT TANNIRBHAVI BEACH IN MANGALORE DISTRICT (DAKSHIN KANNADA), KARNATAKA”

The pre-bid meeting for tender of “Sustainable Development and Environment Management of Coastal Region at Tannirbhavi Beach in Mangalore District (Dakshin Kannada), Karnataka” was held on the 22nd December, 2021 at 1100 hrs through video conference. The meeting was attended by the SICOM officials, SPMU Karnataka official, Tourism Department Karnataka official and M/s A2Z InfraserVICES Limited officials.

Name of the Packages/ Ref. No

- (i) “Sustainable Development and Environment Management of Coastal Region at Tannirbhavi Beach in Mangalore District (Dakshin Kannada), Karnataka” – Ref No - *SICOM/2021-22/BEAMS/02*

Name of the Participants:

1. Officials of SICOM
2. Official of SPMU Karnataka, Govt. of Karnataka
3. Official of Tourism Department Karnataka, Govt. of Karnataka
4. Representatives of M/s A2Z InfraserVICES

Opening Remarks

SICOM welcomed the prospective bidder on behalf of the Project and explained the background and context of the bid. Thereafter, the essential points pertaining to the present bid were explained in detail and then the meeting was opened for clarifications.

The Gist of Queries and Clarification by SICOM is appended as per table below:

Table No. 1

S. No.	Gist of Query from Bidders	Clarification by SICOM
1	Bidder requested that whether Bamboo housing enclosure & access ramp with railing for Disabled friendly toilet to be provided or not	SICOM clarified that Disabled friendly toilet will have Bamboo housing enclosure & access ramp with railings. The specifications and drawings for the bamboo housing enclosure and access ramp with railings are attached at Annexure – II
2	The bidder requested for the detailed sketch of “Access Pathway made of WPC” as the existing sketch does not match with the specification	The detailed sketch for “Access Pathway made of WPC” is attached at Annexure – III

3	Beach Engineer to be provided from Sixth Month onwards or from the date of commencement of work	<p>The requirement of Beach Engineer is only after the commissioning and operationalization of major infrastructure facilities. Therefore, the commencement of work here means operations of toilets & other infrastructure facilities.</p> <p>Please refer the Amendment No. 1 attached as Annexure – I</p>
4	For Item “Sand cleaning Machine” mentioned at Sl. No. 14 at page 58 of the bid document, fuel will be required as it is fuel operated, but fuel cost is not mentioned in the ‘material cost’ column	It is responsibility of the bidder to run the machine as per the requirement and ascertain its costs thereof
5	<p>With regard to financial & technical eligibility, in sub factor 3.1 (ii) and 3.1 (iii), audited balance sheet and other financial statements have been asked for last 5 years i.e. 2015-16, 2016-17, 2017-18, 2018-19 & 2019-20.</p> <p>Whereas, in sub factor – 3.2 on page 47, the financial statements referred are for last 5 financial years i.e. 2016-17, 2017-18, 2018-19, 2019-20 & 2020-21. Kindly clarify</p>	<p>The sub – factors 3.1 (ii) & (iii) on pages 46 & 47 are pertaining to financial statements i.e. balance sheets/ P& L statement duly audited and finalized.</p> <p>Whereas sub factor 3.2 page 47 the financial statements mentioned pertains to infrastructure works of various types duly completed in last 5 years i.e. 2016-17, 2017-18, 2018-19, 2019-20 & 2020-21.</p> <p>Both these requirements are independent of each other</p>
6	Information display board (Unipole) and Beach Map display hoarding (Unipole) are to be made in bamboo or SS 304	<p>Information display board (Unipole) and Beach Map display hoarding (Unipole) are to be made in SS 304 as indicated as per para 3.4 page 155 and para 3.5 page 156.</p> <p>Please refer Amendment No. 1 attached as Annexure -I</p>
7	<p>The deployment of additional manpower will be after installing and commissioning of infrastructure facilities. The timeline for installing and commissioning of infrastructure facilities have been given as 6 months.</p> <p>We suggest that increased manpower should be provided from the date of installation instead of waiting for 6 months</p>	The Contractor, after installation and commissioning of infrastructure items, may seek the permission of SICOM to deploy the additional manpower, if required

8	<p>Please refer page 252 clause 41.1 (b) note (b)- Nodal Officer shall certify and forward the approved 'invoices' or 'certificate for Works / Services'</p>	<p>The Nodal Officer shall certify the works/ services of contractor and forward the same to the Employer within 10 days of submission of request by Contractor.</p> <p>Please refer Amendment No. 1 attached as Annexure -I</p>
9	<p>Regarding clause 1.1 (j) on page 257 of the bid document, it is mentioned that Contractor has to carry out safety risk assessment of the beach.</p> <p>Please clarify about who shall bear the cost for the same and what is the frequency of safety risk assessment</p>	<p>The Contractor will facilitate a safety risk assessment for each designated bathing area to be done by Expert agencies engaged by the Employer or respective State/ UT.</p> <p>Please refer Amendment No. 1 attached as Annexure -I</p>
10	<p>Kindly refer item number 15 and 16 on page 58/59 wherein separate rates have been asked for Site office and first aid station. Please clarify and also advise size of site office / first aid station required.</p>	<p>The contractor is required to fabricate & install a container-based office/ store room of 20ft x 8 ft. size having all storage facilities etc. It should have storage space, workstations, file cabinets etc. including racks and well organized. The exterior of this container should be fully cladded with bamboo.</p> <p>Another unit of similar size and design to be provided for First Aid station duly furnished with first aid kits and lifesaving equipment. The exterior of this container should be fully cladded with bamboo.</p> <p>Please refer Amendment No. 1 attached as Annexure -I</p>
11	<p>Store room specification are provided on page 169 whereas this has not been included in schedule of quantities</p>	<p>Please refer S. No 10 above</p>
12	<p>The colour of uniform of life guards may be kept Yellow and Red. We suggest to use the same colour</p>	<p>There will be no change in the existing colour of uniform</p>
13	<p>Kindly provide GPS coordinates for beach site</p>	<p>Location of Beach is Tannirbhavi Beach in Mangalore district (Dakshin Kannada), Karnataka. It is located opposite Fatima Church Road. The actual GPS coordinates will be provided before the layout finalization & commencement of works</p>

14	Which wages we have to consider State or Central Please clarify	Central or State Govt – whichever is higher as per payment of Wages Act 1948
15	ISO 45001 may be considered in place of OHSAS 18001:2007	ISO 45001 can be accepted in place of OHSAS 18001:2007
15	Please clarify about the specification of Flag Mast	The design and drawing of Flag Mast is attached at Annexure -IV
16	Please clarify the quantities of Life saving equipment	Please refer Amendment No. 1 attached as Annexure -I

Based on the above, the revised Schedule of Quantity is prepared and is attached at **Annexure – V**.

The meeting was closed with vote of thanks.

Amendment No. 1 to Bid document

“SUSTAINABLE DEVELOPMENT AND ENVIRONMENT MANAGEMENT OF COASTAL REGION AT TANNIRBHAVI BEACH IN MANGALORE DISTRICT (DAKSHIN KANNADA), KARNATAKA”

S. No.	Reference / Clause No. / page No.	Existing clause	To be read as
1.	Para 7 / Page 162	Beach Engineer - * 1 Per beach for daily basis from the date of commencement of work. (Total Man days required is 30/31 days per month)	Beach Engineer - * 1 Per beach for daily basis from the date of commencement of work i.e. operations of toilets & other infrastructure facilities. (Total Man days required is 30/31 days per month)
2.	Para 1.25 /Page 169 para 1.26/ page 170	Bamboo made Beach Information Board Bamboo made Beach Layout map	Deleted
3.	Page 252 clause 41.1 (b) note (b)	Nodal officer shall certify and forward the approved invoices to the Employer within 10 days of submission of invoices by the contractor	The Nodal officer shall certify the works/ services of contractor and forward the same to the Employer within 10 days of submission of request by contractor
4.	Clause 1.1 (j) on page 257	Moreover, it is necessary that the Contractor undertakes a safety risk assessment for each designated bathing area. ILS International Lifesaving Standards must be followed for risk assessment and beach should be assessed for ISO 31000	Moreover, it is necessary that the contractor will facilitate a safety risk assessment for each designated bathing area, which will be done by expert agencies engaged by the Employer or respective State/ UT. ILS International Lifesaving Standards must be followed for risk assessment and beach should be assessed for ISO 31000
5.	Para 2.6/ Page 149 & 150	The contractor is required to provide good quality lifesaving equipment in water such as: Life Jackets -05 Nos.	The contractor is required to provide good quality lifesaving equipment in water such as: Life Jackets -05 Nos.

		<p>Rescue Throw Bags- 5 nos. Rescue Floaters – 5 Nos. Spine Boards – 2 Nos. Rescue Boards- 2 Nos Rescue Tubes – 5 Nos. Rescue Cans- 5 Nos Sheppard’s Life Hooks- 1 No. Whistle – 5 Nos Sea Bouy & Rope, for cordon off the designated bathing area First Aid Kits – 2 nos. including spider harness Portable oxygen cylinder – 1No. Binoculars- 2 Nos</p>	<p>Rescue Throw Bags- 5 nos. Rescue Floaters – 5 Nos. Spine Boards – 2 Nos. Rescue Boards- 2 Nos Rescue Tubes – 5 Nos. Rescue Cans- 5 Nos Sheppard’s Life Hooks- 1 No. Whistle – 10 Nos Sea Bouy & Rope, for cordon off the designated bathing area First Aid Kits – 1 nos. including spider harness Portable oxygen cylinder – 1No. Binoculars – 2 Nos</p>
6.	Clause 3.3 / page 155	<p>First Aid Station/ Control Room/ Site office:</p> <p>The contractor is required to operate their office at beach locations and therefore must install a temporary office structure preferably made of prefab materials having all office infrastructure including computers, printers, cameras, internet facility, storage facility, first aid facilities, CC control room etc. This site office should also be used as first aid station for any emergency requirements.</p>	<p>First Aid Station/ Control Room/ Site office:</p> <p>The contractor is required to fabricate & install a container-based office/ store room of 20ft x 8 ft. size having all storage facilities etc. It should have storage space, workstations, file cabinets etc. including racks and well organized. The exterior of this container should be fully clad with bamboo.</p> <p>Another unit of similar size and design to be provided for First Aid station duly furnished with first aid kits and lifesaving equipment. The exterior of this container should be fully clad with bamboo.</p>
7	Schedule of Quantities (A) / Page No. 58 & 59	-	See Revised table at Annexure - V
8	Form EXP- 3.2 (i) / Page 91	-	See Revised table at Annexure - VI

The following para is added on page 160:-

1. Specifications of Treated Bamboo Housing / Enclosure Works for:

- (i) CCTV Control Room & Site Office**
- (ii) First Aid Station**

The contractor is required to provide enclosure housing for the site office, CCTV control room & first aid station with treated bamboo work. The size of the housing enclosure should be L x B x H = 22 ft x 10 ft x 12 ft (approximately). The actual dimensions may vary depending upon the ground conditions.

The bamboo cane (bambusa balcooa/bambusa bamboos/dendrocalamus stocksii or equivalent for PURLINS/ beams with minimum thickness of 10 mm & distinctive internodes (300mm max) Size 50 mm (+/- 5mm) diameter well-seasoned (minimum 3 to 6 years) should be cut and treated with preservative inside the bamboo pole, & dosing with CCB (Chromium Copper Bromate) using pressure vacuum treatment plant with retention level minimum 8% and in accordance with IS 9096. The frame should be connected by articulated joints preferred with bamboo wedging without filling including bending of bamboos as per design or MS/SS bolt, studs, GI plates coated with epoxy coating with shingle roofing having top layer of bamboo shingle made of flattened CCB pressure treated bamboo in size of 450 mm X 150 mm and 3 to 5 mm thickness, perpendicular to rafter/beam at spacing of 150 mm c/c. The work should be carried out with proper care as the bamboo walls should be fixed on to the container exterior walls with the help of frame duly strengthened for firm erection and support so that it doesn't shake during storms. The bamboo work must be done by expert who have substantial expertise in carrying out such work in Indian conditions in past. The fixing of walls and shingle roofing must be done in accordance with layout drawings.

2. Specifications of Treated Bamboo Housing / Enclosure Works for Unisex Disabled Friendly Toilet Block:

The contractor is required to provide enclosure housing for Unisex Disabled Friendly Toilet Block located at the beach. The size of the housing enclosure should be L x B x H = 7.5 ft x 7.5 ft x 12 ft (approximately). The actual dimensions may vary depending upon the ground conditions.

Providing Treated Bamboo Structure made using Kannakkaich / Dendrocalamus Stocksii or equivalent with Size 35 mm (+/- 5 mm) or equivalent with minimum thickness of 8 mm, treated with preservative inside the bamboo pole & dosing with CCB (Chromium Copper Boron) using Pressure through Vacuum treatment plant with retention level 6 kgs per cum in accordance with IS 9096. (Group -A bamboo pole) shall be used. These bamboos are used for making bamboo skeleton as per the attached design using SS Grade 304 studs / bolts, nuts and washers. All exposed nuts will be covered with bamboo cap. All exposed bamboo surface will be polished with Polyurethane coating of MRF brand or equivalent with first coat with sealer and second coat of matt finish final coat. The work should be carried out with proper care and must be done by expert who have substantial expertise in carrying out such work in Indian conditions in past.

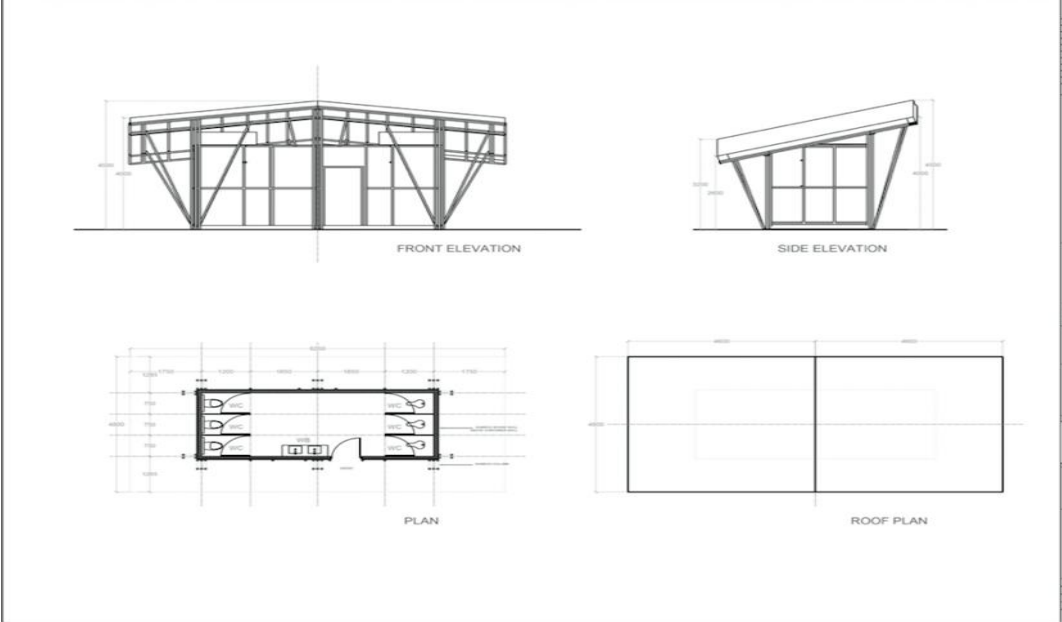
3. Specifications of Treated Bamboo Ramp for Unisex Disabled Friendly Toilet Block:

The contractor to ensure that height of the unisex disabled friendly toilet block from ground level not to exceed 12” (1 foot). This is mandatory requirement and all installation must be done accordingly. Contractor is therefore required to provide bamboo made ramp with side rails on both sides, straight access to entrance door of the container based male toilet blocks. The length of the ramp should be between 2 to 2.5 meters and width 1.5 meters. The gradient should be around 8 degrees 10 degrees maximum. The actual dimensions & gradient may vary depending upon the ground conditions. Providing Treated Bamboo Structure made using poles of

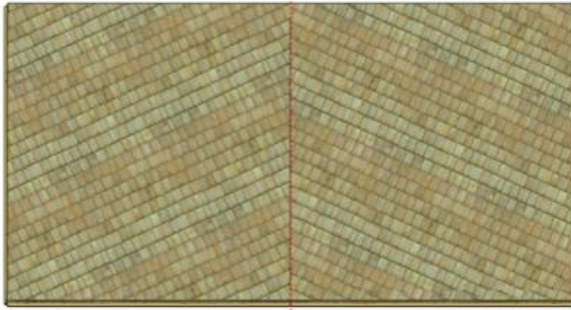
- a) Bamboo species Kannakkaich / Dendrocalamus Stocksii or equivalent having bamboo pole dia. of 45 mm (+/- 5 mm) at bottom & 35 mm (+/- 5mm) at top and with minimum wall thickness of 7 mm and / or
- b) Bamboo species Kannakkaich / bambusa balcooa having bamboo pole dia. of 80 mm (+/- 10 mm) at bottom and 70mm (+/- 10mm) at top and with minimum wall thickness of 10 mm

These bamboos must be treated with pressure treatment method ‘pressure vacuum treatment plant’ with minimum retention level of 6 kgs per cum in accordance with IS 9096. Preservative CCB (Chromium Copper Boron) shall be used. These bamboos are used for making entire framework for the ramp as per design using bamboo pegs, SS Grade 304 studs / bolts, nuts and washers. All exposed nuts will be covered with bamboo cap. The vertical posts of side railing shall be fixed to the ground by bamboo post in the concrete pocket size 200mm x 200mm x 200mm deep on the ramp as per the attached drawing. Treated wooden planks of thickness 35mm shall be fixed on the framework to create the required walkway. All exposed bamboo surface will be applied with exterior grade polyurethane coating of MRF brand or equivalent with first coat with sealer and second coat of matt finish final coat. The work should be carried out with proper care and must be done by expert who have substantial expertise in carrying out such work in Indian conditions in the past.

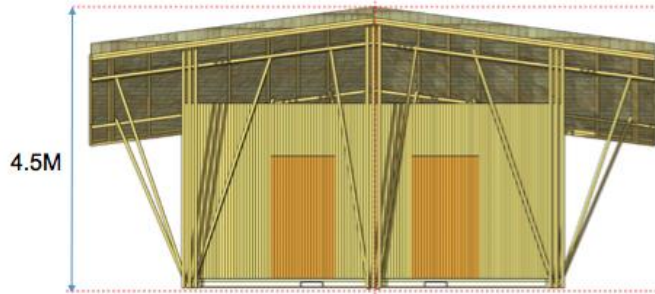
Indicative Layout Drawing for Item # 1 & 2:



9.2M



PLAN



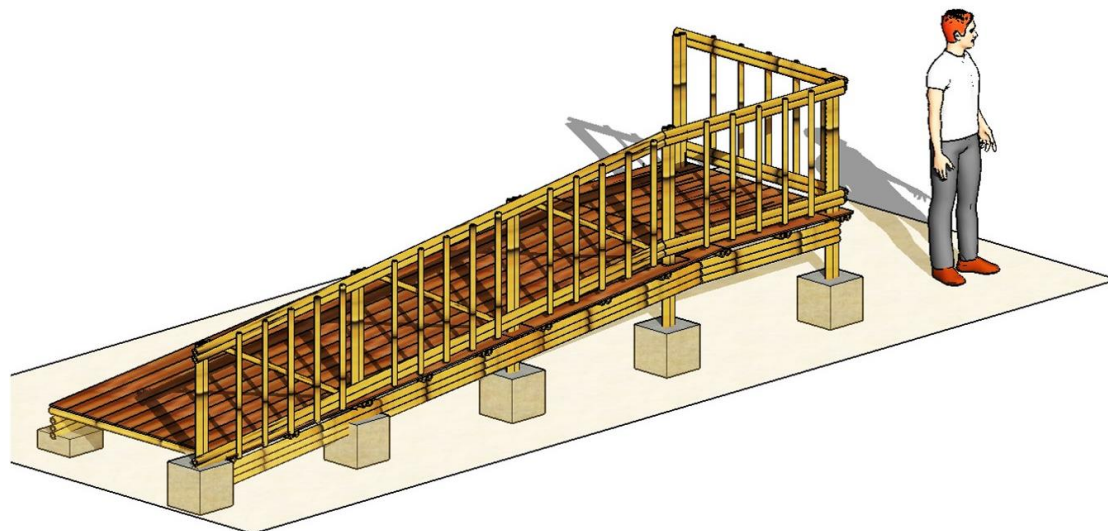
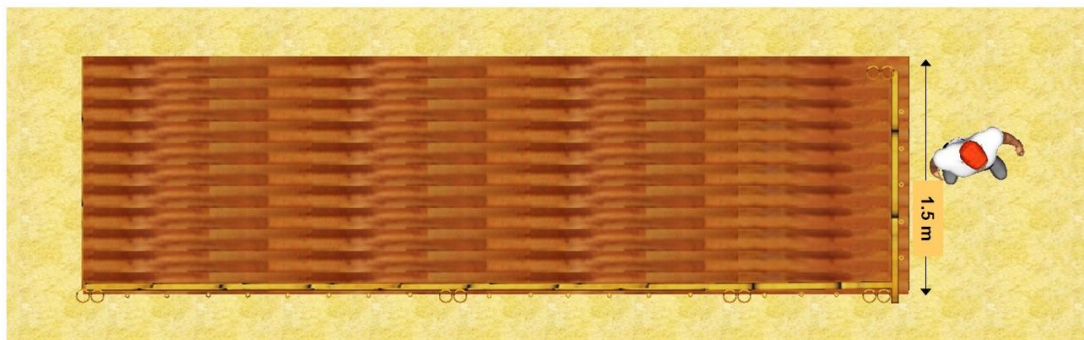
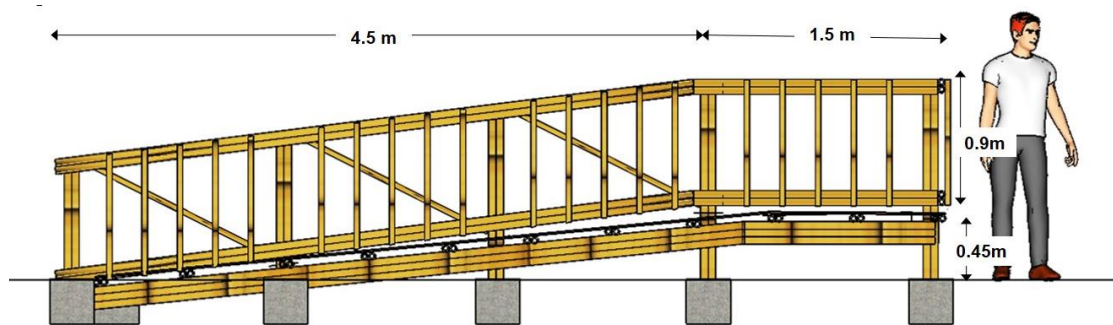
FRONT ELEVATION

4.8M



SIDE ELEVATION

Indicative Layout Drawing for Item # 3:



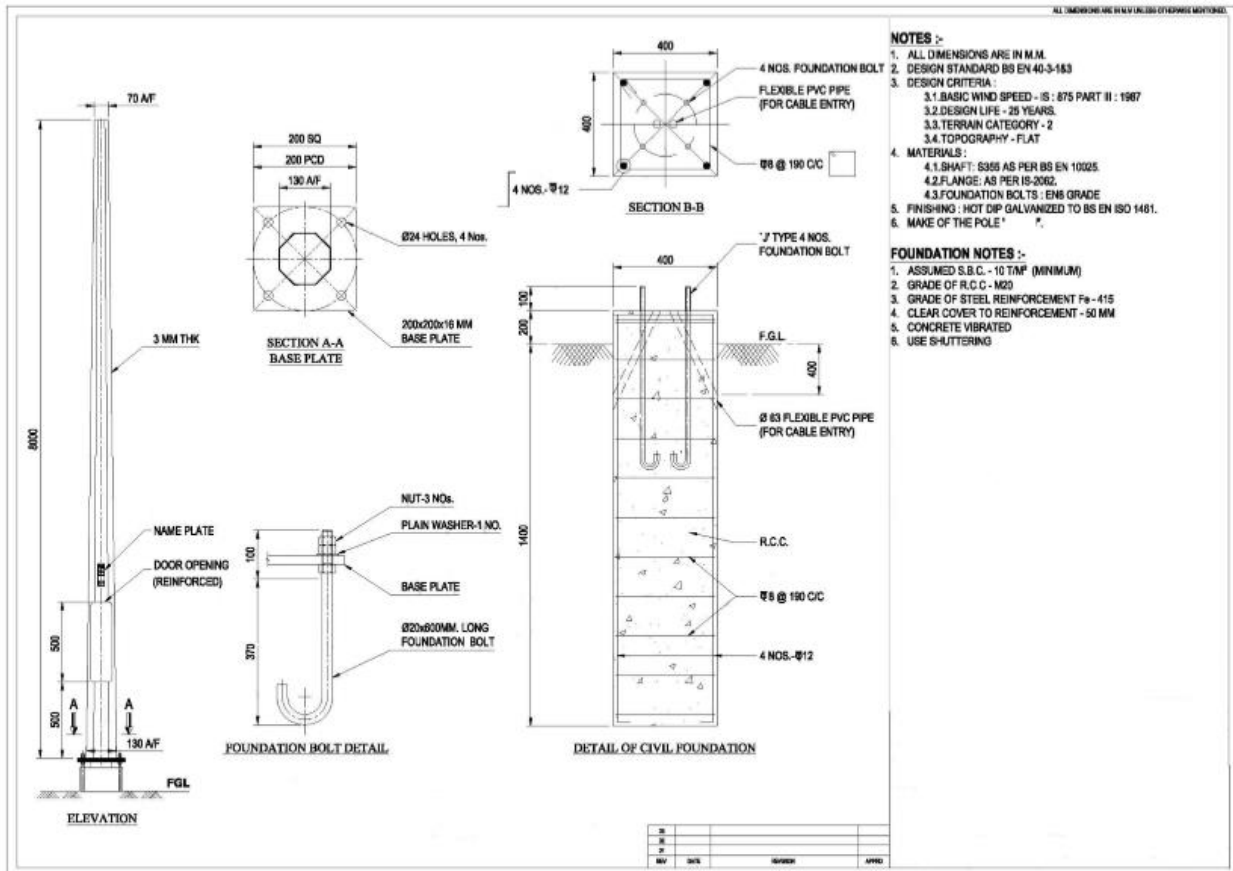
Note:

The shape & size of ramps may change at actual ground conditions so contractor must be flexible in designing the same.

Layout Sketch for “Access Pathway made of WPC”



Annexure – IV



Revised List of Infrastructure Items

Schedule of Quantities (A)

Infrastructure Facilities (Per Beach) – Tannirbhavi Beach, Karnataka (Revised)				
S.No.	Item Particular(s)	Qty.	Total Including (INR)	Amount GST
1	SS Cladded Container based Gents Block comprising of 3 seats (1 no IWC and 2 nos EWC) and 5 urinals (4 for adults +1 for kid) and as per specification & layout drawings duly fitted with bio-digester and other fittings including Installation, commissioning, Civil Work & Freight	1		
2	SS Cladded Container based Ladies Block comprising of 6 seats (3 nos. IWC +3 Nos EWC) and as per specification & layout drawings duly fitted with bio-digester and other fittings including Installation, commissioning, Civil Work & Freight	1		
3	Changing Rooms with attached Shower Panels comprising of 6 cabins 3 each for gents & ladies duly separated and equal number of shower panels placed outside the container and as per specification & layout drawings. Including Installation, commissioning, Civil Work & Freight	1		
4	Grey Water Treatment Plant for recycling shower, urinal & wash basin water including Installation, commissioning, Civil Work & Freight	1		
5	Disabled friendly toilet block made of WPC walls complete with bio digester and as per specification & layout drawings. Including Installation, commissioning, Civil Work & Freight	1		
6	Off-grid solar power plant 40KW, 300/320 Wp complete with PV cells, Battery room, inverters and other accessories with DC/AC Ratio of 0.97 including Installation, commissioning, Civil Work & Freight including soil testing	1		
7	Purified drinking water vending kiosk as per specification and layout drawing including Installation, commissioning, Civil Work & Freight	1		

8	Solid Waste Management complete with segregation conveyor belt, hopper, hot air dryer and automatic composting machine of 50 kg/day as processing capacity including Installation, commissioning, Civil Work & Freight (Outside Beach Area)	1	
9	LED street lights with poles including Installation, commissioning, Civil Work & Freight	50	
10	CCTV cameras with global access feature for security & surveillance	1	
11	Information Display Hoarding Board (Unipole) Design-size 20' x 10' (200 sqft) as per specification and drawing including installation, commissioning , foundation work & freight	1	
12	Beach Map Display Hoarding Board (Unipole) Design-size 10' x 6' (60 sqft)- as per specification and drawing including installation, commissioning , foundation work & freight	1	
13	Access Pathway made of WPC in sqmtrs (size 400 mtrs x 1.5 mtr) with installation base frame as per specifications including foundation work & freight	600	
14	Sand Cleaning Machine (Walk Behind) as per specification	2	
15	Site Office for CCTV Control Room with chairs, table & storage almirah including Installation, commissioning, Civil Work & Freight	1	
16	First Aid Station with Bed, chairs, table & storage almirah including Installation, commissioning, Civil Work & Freight	1	
17	Litterbins Pair made of Bamboo as per drawing & specifications including Installation, commissioning, Civil Work & Freight	20	
18	Seating bench made of wood/bamboo as per specification including Installation, commissioning, Civil Work & Freight	12	
19	Sit-out umbrella made of wooden poles & treated thatch including Installation, commissioning, Civil Work & Freight	8	
20	Recliner Bamboo Lounger chairs including freight	16	
21	Watch Tower (Bamboo) -upto 5 meters as per specification and drawing	2	

22	Bamboo Housing Enclosure Work for Grey Water Treatment Plant as per drawing	1	
23	Bamboo Housing Enclosure Work for SWM Plant as per drawing	1	
24	Bamboo Housing Enclosure Work for Solar Power Plant & Battery Bank Room	1	
25	Bamboo Housing Enclosure with Shingle Roofing complete as per specifications for container based toilets -Gents Block	1	
26	Bamboo Housing Enclosure with Shingle Roofing complete as per specifications for container based toilets - Ladies Block	1	
27	Bamboo Housing Enclosure with Shingle Roofing complete as per specifications for container Changing Room with Shower Panels	1	
28	Bamboo Ramp with Side Walls/Railings (both side) for Toilet Blocks & Changing Room (1 each for Toilet Blocks and 2 for Changing Room)	4	
29	Bamboo work Housing Enclosure work for Purified Water Vending Unit	1	
30	Bamboo work Housing Enclosure work for Site Office & CCTV Control Room Block	1	
31	Bamboo work Housing Enclosure work for disabled friendly toilet block	1	
32	Bamboo work Housing Enclosure work for First Aid Station Block	1	
33	Bamboo Ramp with Side Walls/Railings (both side) for Unisex Disabled Friendly Toilet Block	1	
34	Bamboo made "Guiding Signage" complete with quantity, design & specification as per specifications, installation, commissioning, foundation work & freight	16	
35	Bamboo made "Signage Collage" complete with specifications, installation, commissioning, foundation work & freight	1	
36	Bamboo Framed Display Boards for Environment Education & Safety, Do's & Dont's	25	
37	Amphibious Wheel Chair	1	

38	Spine Boards	2	
39	Rescue Boards	2	
40	Life Jackets	5	
41	Rescue Throw Bags	5	
42	Rescue Floaters	5	
43	Rescue Tubes	5	
44	Rescue Cans	5	
45	Sheppard's Life Hooks	1	
46	Portable oxygen cylinder	1	
47	First Aid Kit	1	
48	Binoculars	2	
49	Whistle	10	
50	Beach Safety flags as per ISO 20712 with poles	3	
51	Biometric attendance system	1	
52	Sea Buoys, Rope & Anchor for cordon off the designated bathing area (in running meters approximately)	450	
53	Tool kit comprising of basic electrical, plumbing and allied services	1	

54	Office Automation comprising of Computer, Printer, Wi-Fi Connection- 1 each	1	
55	Flag masts (National Flag -8 meters height & BEAMS Flag - 7 meters height) with platform focus lights as per drawing & specifications complete with installation, commissioning, foundation & freight	3	
	Total Cost of Beach Infrastructure Items		

Specific Experience

[The following table shall be filled in for contracts performed by the Bidder, each member of a Joint Venture where permitted, and specialist sub-contractors]

Works Executed/Payment Received for Technical Competence

Type of Works Desired: As per Eligibility criteria 3.2 (Technical Competence/ capabilities of the Bidder) at page 47-50 of the Tender Document

Bidder's Name: _____

Date: _____

Figures of Last 5 Financial Years			
Year	Amount in Rs.	Details of Contract	Remarks
<i>[indicate year]</i>	<i>[insert amount]</i>		
2020-21			
2019-20			
2018-19			
2017-18			
2016-17			
Total of 5 Years			

Note: Please mention the type of work executed successfully and payment received.