

DEPARTMENT OF OCEAN ENGINEERING IIT MADRAS

27.07.2018

Corrigendum - I

Tender Reference no : OEC / SUND/2018/Ratnagiri

Name of work: "Geotechnical Investigations for ship lift facility at ICG Campus at Ratnagiri"


(Limited Tender)

BILL OF QUANTITIES

SECTION A : SOIL INVESTIGATION

It.	Description	Qty.	Unit	Rate	Amount (Rs)
1	Mobilise equipments with accessories, materials, labour also including withdrawal and de-mobilisation from site after completion of work.	1	Nos		
2	Bore minimum 150 mm dia with shell and Augur mechanical equipment using casing as required and then bentonite slurry including supply of all materials, casing pipes, labours, tools and tackles etc. as per specification and drawing				
a	Marine Bore Hole				
i	0 m to 10 m	80	Mtr.		
ii	10 m to 20 m	80	Mtr.		
3	Carry out the standard penetration tests as per IS 2131 (latest revision) in boreholes as specified including supply of all tools, plant, labour	100	nos.		
4	Collect water samples from bore holes as per specifications and transport the same to Laboratory.	8	nos.		
5	Core Drilling and Collection of rock core samples from different depths and determination of CR, RQD and Rock classification with NX 100 at any depth (As per actual) for 1m length	16	Mtr.		
6	Laboratory Tests				
a	Atterberg limits - Liquid Limit & Plastic Limit as per IS-2720 - Part-V	100	nos.		
b	Natural moisture content in the Laboratory as per IS 2720 -Part-II	100	nos.		

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c	Wet and dry density at the Laboratory as per IS 2720 -Part-II	100	nos.		
d	Specific gravity, void ratio test as per IS 2720 , Part-III	100	nos.		
7	Particle size				
a	Sieve Analysis as per IS 2720-Part-IV	100	nos.		
b	Hydrometer Analysis as per IS 2720 Part-IV	24	nos.		
8	Triaxial shear tests as per IS 2720-Part XI				
a	Unconsolidated Undrained on Undisturbed Samples	24	nos.		
b	Consolidated Drained on sandy sample	24	nos.		
c	Consolidated Undrained with pore pressure measurement	24	nos.		
9	Consolidation tests as per IS- 2720 , Part-XV on undisturbed samples	24	nos.		
10	Unconfined compression tests as per IS 2720- Part-X on selected undisturbed samples in the Laboratory	24	nos.		
11	Direct Shear Test as per IS 2720-Part- XIII	24	nos.		
12	Tests on rock samples for density, porosity, water absorption, specific gravity (As per actual)	16	nos.		
13	Point Load test on rock sample (As per actual)	16	nos.		
14	Crushing strength on rock sample (As per actual)	16	nos.		
15	Uniaxial Compressive Strength	16	nos.		
16	Chemical analysis				
a	Soil (Sulphates, Chlorides, PH, Carbonate and organic matter content)	8	nos.		
b	Water (Sulphates, chloride PH, Carbonate, organic matter content and total salinity).	8	nos.		
17	Submit Investigation Reports, field logs and recommendation of a qualified foundation expert in 6 (six) copies.	5	copies		
				Total =	

[Handwritten Signature]

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Google earth image with borehole location

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To

Senior Manager (PP- IC&SR)
IIT Madras,
Chennai – 600 036.

Sir,

The above corrigendum may please be published in the CPP and IITM Tender website

Thanking you and with regards

Yours truly,



(R.SUNDARAVADIVELU)

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