

Amy Cheng

Received: 23/05/2022

Posted: 24/05/2022



TÜV SÜD PSB Pte Ltd
15 International Business Park, TUV SUD @ IBP
Singapore 609937

LIAN SOON CONSTRUCTION PTE LTD
21A SENOKO LOOP
LIAN SOON INDUSTRIAL BUILDING
SINGAPORE 758174

Attention to: Finance Department

Tax Invoice

Invoice No.
Please quote this number on all inquiries and payments.

1911892260

Date of Invoice
19.05.2022

Page
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Order-No.	Order-No.-old	Cust.-No.
7191284745	0005568623	5010241537

Reference:

In case of further inquiries please contact

Mr KOH WEE KANG

TEL: +6569736236

E-Mail: WEE-KANG.KOH@TUVSUD.COM

**Project title: Construction material & on-site testing for NUS
SNRSI project**

Quotation Ref.: 5568623 R1

Item	Description	Quantity/Unit	Currency	Price per Unit	Total Price
1.	P2267 CONCRETE CUBE COMPRESSION TEST FROM 01.04.2022- 30.04.2022 309Cubes x \$1.20				
			SGD		370.80
Subtotal amount					SGD 370.80
GST	7.00	%	370.80	SGD	25.96
Total amount					SGD 396.76

This is a computer generated invoice, no signature is required
Please pay in Singapore Dollar Payment: within 30 days without deduction

All Cheques should be crossed and made payable to "TÜV SÜD PSB Pte Ltd"
Please indicate our invoice number upon payment.

Bank Name/ : HSBC Ltd, 10 Marina Boulevard
Address : Marina Bay Financial Centre Tower 2
#44-01, Singapore 018983
Swift Code : HSBGSGSGXXX
Bank Code : 7232
Branch Code: : 041
Account Number : 041-182643-001

Telephone: +65 6778 7777
Fax No. : +65 6779 7088
www.tuv-sud-psb.sg

TÜV SÜD PSB Pte Ltd
15 International Business Park
TUV SUD @ IBP
Singapore 609937
Co. Reg.-No.: 199002667R
GST Reg No.: M200934504

Concrete Cube Testing Monthly Report (2022-04-01 to 2022-04-30)**Project:** PROPOSED ERECTION OF A 5-STOREY WITH 1 BASEMENT RESEARCH & DEVELOPMENT BUILDING FOR SINGAPORE NUCLEAR RESEARCH AND SAFETY INITIATIVE (SNRSI) WITHIN NATIONAL UNIVERSITY OF SINGAPORE**Company:** LIAN SOON CONSTRUCTION PTE LTD**Address:** 21A SENOKO LOOP, SINGAPORE 758174**Attention:** TIE DING YI**Project ID :** P2267**Report Type:** Finance**TÜV SÜD PSB PTE LTD**60 TUAS SOUTH STREET 1
SINGAPORE 639925
Business Reg No. 199002667R

Concrete Supplier		PAN UNITED CONCRETE		Spec	SSEN 206 : 2014		Testing Standard		BSEN 12390 - 3 : 2019		Grade: 40		
Set #	Date Test	LabRef	ClientRef	GradeDesc	Date Cast	Age At Test	Cube No	Dim (mm)	Spec Strength (N/mm2)	Average Strength (N/mm2)	Rolling AveStr (N/mm2)	Criteria B	A
1	2022-04-02	S1477795	NUSSNRSI-W-3201		2022-03-26	7	3	150	30.0	38.1	-	A	N
2	2022-04-02	S1465138	NUSSNRSI-SL-2916		2022-03-05	28	3	150	40.0	43.8	48.5	P	P
3	2022-04-02	S1465140	NUSSNRSI-SL-2925		2022-03-05	28	3	150	40.0	44.0	46.0	P	P
4	2022-04-02	S1465142	NUSSNRSI-SL-2934		2022-03-05	28	3	150	40.0	47.8	46.2	P	P
5	2022-04-02	S1465144	NUSSNRSI-SL-2943		2022-03-05	28	3	150	40.0	43.5	44.8	P	P
6	2022-04-02	S1465146	NUSSNRSI-SL-2952		2022-03-05	28	3	150	40.0	44.3	44.9	P	P
7	2022-04-02	S1465134	NUSSNRSI-W-2889		2022-03-05	28	3	150	40.0	44.8	45.1	P	P
8	2022-04-05	S1479253	NUSSNRSI-W-3210		2022-03-29	7	3	150	30.0	30.7	-	A	N
9	2022-04-05	S1479255	NUSSNRSI-W-3219		2022-03-29	7	3	150	30.0	31.9	-	A	N
10	2022-04-05	S1479257	NUSSNRSI-W-3228		2022-03-29	7	3	150	30.0	32.7	-	A	N
11	2022-04-06	S1467188	NUSSNRSI-W-2997		2022-03-09	28	3	150	40.0	43.3	44.0	P	P
12	2022-04-07	S1480365	NUSSNRSI-W-3246		2022-03-31	7	3	150	30.0	36.1	-	A	N
13	2022-04-08	S1480916	NUSSNRSI-SL-3255		2022-04-01	7	3	150	30.0	31.5	-	A	N
14	2022-04-09	S1481586	NUSSNRSI-SL-3273		2022-04-02	7	3	150	30.0	33.3	-	A	N
15	2022-04-09	S1481588	NUSSNRSI-SL-3282		2022-04-02	7	3	150	30.0	36.6	-	A	N
16	2022-04-09	S1481590	NUSSNRSI-SL-3291		2022-04-02	7	3	150	30.0	39.8	-	A	N
17	2022-04-09	S1481592	NUSSNRSI-SL-3300		2022-04-02	7	3	150	30.0	37.4	-	A	N
18	2022-04-09	S1481576	NUSSNRSI-SL-3309		2022-04-02	7	3	150	30.0	31.6	-	A	N
19	2022-04-09	S1481578	NUSSNRSI-SL-3318		2022-04-02	7	3	150	30.0	38.2	-	A	N
20	2022-04-09	S1481580	NUSSNRSI-SL-3327		2022-04-02	7	3	150	30.0	31.7	-	A	N
21	2022-04-09	S1481582	NUSSNRSI-SL-3336		2022-04-02	7	3	150	30.0	37.1	-	A	N
22	2022-04-12	S1470914	NUSSNRSI-W-3018		2022-03-15	28	3	150	40.0	49.2	45.4	P	P
23	2022-04-12	S1470916	NUSSNRSI-W-3024		2022-03-15	28	3	150	40.0	46.1	45.9	P	P
24	2022-04-13	S1471374	NUSSNRSI-SL-3036		2022-03-16	28	3	150	40.0	46.6	46.3	P	P
25	2022-04-13	S1471376	NUSSNRSI-SL-3045		2022-03-16	28	3	150	40.0	46.1	47.0	P	P
26	2022-04-16	S1485329	NUSSNRSI-W-3468		2022-04-09	7	3	150	30.0	37.0	-	A	N
27	2022-04-16	S1485331	NUSSNRSI-W-3477		2022-04-09	7	3	150	30.0	39.6	-	A	N
28	2022-04-16	S1485311	NUSSNRSI-CL-3387		2022-04-08	8	3	150	30.0	40.8	-	A	N
29	2022-04-16	S1485313	NUSSNRSI-SL-3396		2022-04-08	8	3	150	30.0	35.4	-	A	N
30	2022-04-16	S1485315	NUSSNRSI-SL-3405		2022-04-08	8	3	150	30.0	36.8	-	A	N
31	2022-04-16	S1485317	NUSSNRSI-SL-3414		2022-04-08	8	3	150	30.0	35.7	-	A	N
32	2022-04-16	S1485319	NUSSNRSI-SL-3423		2022-04-08	8	3	150	30.0	37.1	-	A	N
33	2022-04-16	S1485321	NUSSNRSI-SL-3432		2022-04-08	8	3	150	30.0	37.2	-	A	N
34	2022-04-16	S1485323	NUSSNRSI-SL-3441		2022-04-08	8	3	150	30.0	36.6	-	A	N
35	2022-04-16	S1485325	NUSSNRSI-SL-3450		2022-04-08	8	3	150	30.0	37.1	-	A	N
36	2022-04-16	S1485327	NUSSNRSI-SL-3459		2022-04-08	8	3	150	30.0	39.0	-	A	N

Remarks: P - Comply With Specification, F - Does Not Comply With Specification, N - Not Applicable.

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Attention: TIE DING YI

Project ID : P2267

Report Type: Finance

TüV SÜD PSB PTE LTD



60 TUAS SOUTH STREET 1
SINGAPORE 639925
Business Reg No. 199002667R

Concrete Supplier	PAN UNITED CONCRETE			Spec	SSEN 206 : 2014		Testing Standard	BSEN 12390 - 3 : 2019			Grade: 40		
Set #	Date Test	LabRef	ClientRef	GradeDesc	Date Cast	Age At Test	Cube No	Dim (mm)	Spec Strength (N/mm2)	Average Strength (N/mm2)	Rolling AveStr (N/mm2)	Criteria	
37	2022-04-16	S1473154	NUSSNRSI-CL-3150		2022-03-18	29	3	150	40.0	49.2	47.0	P	P
38	2022-04-16	S1473156	NUSSNRSI-CL-3159		2022-03-18	29	3	150	40.0	49.6	47.9	P	P
39	2022-04-19	S1475389	NUSSNRSI-SL-3168		2022-03-22	28	3	150	40.0	51.2	49.0	P	P
40	2022-04-19	S1475391	NUSSNRSI-W-3177		2022-03-22	28	3	150	40.0	51.3	50.3	P	P
41	2022-04-19	S1475393	NUSSNRSI-W-3186		2022-03-22	28	3	150	40.0	51.7	51.0	P	P
42	2022-04-20	S1475872	NUSSNRSI-W-3195		2022-03-23	28	3	150	40.0	47.3	50.4	P	P
43	2022-04-23	S1477796	NUSSNRSI-W-3204		2022-03-26	28	3	150	40.0	48.0	49.6	P	P
44	2022-04-26	S1479254	NUSSNRSI-W-3213		2022-03-29	28	3	150	40.0	47.5	48.6	P	P
45	2022-04-26	S1479256	NUSSNRSI-W-3222		2022-03-29	28	3	150	40.0	43.9	46.7	P	P
46	2022-04-26	S1479258	NUSSNRSI-W-3231		2022-03-29	28	3	150	40.0	47.9	46.8	P	P
47	2022-04-28	S1480366	NUSSNRSI-W-3249		2022-03-31	28	3	150	40.0	50.7	47.5	P	P
48	2022-04-29	S1494468	NUSSNRSI-SL-3552		2022-04-22	7	3	150	30.0	38.4	-	A	N
49	2022-04-29	S1494470	NUSSNRSI-SL-3561		2022-04-22	7	3	150	30.0	37.3	-	A	N
50	2022-04-29	S1494472	NUSSNRSI-SL-3570		2022-04-22	7	3	150	30.0	39.5	-	A	N
51	2022-04-29	S1494474	NUSSNRSI-SL-3579		2022-04-22	7	3	150	30.0	40.7	-	A	N
52	2022-04-29	S1494476	NUSSNRSI-SL-3588		2022-04-22	7	3	150	30.0	39.6	-	A	N
53	2022-04-29	S1494478	NUSSNRSI-SL-3597		2022-04-22	7	3	150	30.0	36.6	-	A	N
54	2022-04-29	S1480917	NUSSNRSI-SL-3258		2022-04-01	28	3	150	40.0	39.1	45.4	F	P
55	2022-04-30	S1494482	NUSSNRSI-CL-3615		2022-04-23	7	3	150	30.0	39.2	-	A	N
56	2022-04-30	S1494484	NUSSNRSI-SL-3624		2022-04-23	7	3	150	30.0	39.0	-	A	N
57	2022-04-30	S1494486	NUSSNRSI-SL-3633		2022-04-23	7	3	150	30.0	38.1	-	A	N
58	2022-04-30	S1481587	NUSSNRSI-SL-3276		2022-04-02	28	3	150	40.0	46.0	45.9	P	P
59	2022-04-30	S1481589	NUSSNRSI-SL-3285		2022-04-02	28	3	150	40.0	46.2	45.5	P	P
60	2022-04-30	S1481591	NUSSNRSI-SL-3294		2022-04-02	28	3	150	40.0	44.4	43.9	P	P
61	2022-04-30	S1481593	NUSSNRSI-SL-3303		2022-04-02	28	3	150	40.0	45.2	45.5	P	P
62	2022-04-30	S1481577	NUSSNRSI-SL-3312		2022-04-02	28	3	150	40.0	46.1	45.5	P	P
63	2022-04-30	S1481579	NUSSNRSI-SL-3321		2022-04-02	28	3	150	40.0	47.8	45.9	P	P
64	2022-04-30	S1481581	NUSSNRSI-SL-3330		2022-04-02	28	3	150	40.0	47.0	46.5	P	P
65	2022-04-30	S1481583	NUSSNRSI-SL-3339		2022-04-02	28	3	150	40.0	44.9	46.5	P	P
SUB TOTAL		Total Set: 65	Total No of Cube: 195	Mean Average Strength (N/mm2):		41.4			Standard Deviation (N/mm2): 5.7				

Remarks: P - Comply With Specification, F - Does Not Comply With Specification, N - Not Applicable.
A - Above Spec Strength for 7-day Strength, B - Below Spec Strength for 7-day Strength. Unless otherwise specified, TüV SÜD applies in-house.
Criteria of 7-day Strength should be at least 75% of the grade of concrete to assist clients to assess 7-days results.

Concrete Cube Testing Monthly Report (2022-04-01 to 2022-04-30)

Project: PROPOSED ERECTION OF A 5-STOREY WITH 1 BASEMENT RESEARCH & DEVELOPMENT BUILDING FOR SINGAPORE NUCLEAR RESEARCH AND SAFETY INITIATIVE (SNRSI) WITHIN NATIONAL UNIVERSITY OF SINGAPORE

Company: LIAN SOON CONSTRUCTION PTE LTD

Address: 21A SENOKO LOOP, SINGAPORE 758174

Attention: TIE DING YI

Project ID : P2267

Report Type: Finance

TüV SÜD PSB PTE LTD



60 TUAS SOUTH STREET 1
SINGAPORE 639925
Business Reg No. 199002667R

Concrete Supplier	PAN UNITED CONCRETE			Spec	SSEN 206 : 2014		Testing Standard	BSEN 12390 - 3 : 2019			Grade: 50		
Set #	Date Test	LabRef	ClientRef	GradeDesc	Date Cast	Age At Test	Cube No	Dim (mm)	Spec Strength (N/mm2)	Average Strength (N/mm2)	Rolling AveStr (N/mm2)	Criteria	
												B	A
66	2022-04-02	S1465136	NUSSNRSI-CL-2907		2022-03-05	28	3	150	50.0	55.2	56.2	P	P
67	2022-04-05	S1479259	NUSSNRSI-CL-3237		2022-03-29	7	3	150	37.5	38.1	-	A	N
68	2022-04-05	S1466535	NUSSNRSI-CL-2961		2022-03-08	28	3	150	50.0	54.3	55.5	P	P
69	2022-04-05	S1466537	NUSSNRSI-CL-2970		2022-03-08	28	3	150	50.0	55.3	54.6	P	P
70	2022-04-05	S1466539	NUSSNRSI-CL-2979		2022-03-08	28	3	150	50.0	55.1	55.0	P	P
71	2022-04-05	S1466541	NUSSNRSI-CL-2988		2022-03-08	28	3	150	50.0	53.2	54.5	P	P
72	2022-04-07	S1481069	NUSSNRSI-B-334		2022-04-04	3	3	150	0.0	39.0	-	A	N
73	2022-04-08	S1481070	NUSSNRSI-B-334		2022-04-04	4	3	150	0.0	36.3	-	A	N
74	2022-04-09	S1481071	NUSSNRSI-B-335		2022-04-04	5	3	150	0.0	36.2	-	A	N
75	2022-04-09	S1481584	NUSSNRSI-CL-3264		2022-04-02	7	3	150	37.5	47.6	-	A	N
76	2022-04-11	S1482548	NUSSNRSI-B-3354		2022-04-04	7	3	150	37.5	45.5	-	A	N
77	2022-04-13	S1483603	NUSSNRSI-CL-3369		2022-04-06	7	3	150	37.5	47.1	-	A	N
78	2022-04-14	S1472041	NUSSNRSI-CL-3060		2022-03-17	28	3	150	50.0	57.2	55.2	P	P
79	2022-04-14	S1472043	NUSSNRSI-CL-3069		2022-03-17	28	3	150	50.0	57.3	55.7	P	P
80	2022-04-14	S1472045	NUSSNRSI-CL-3078		2022-03-17	28	3	150	50.0	57.7	56.4	P	P
81	2022-04-14	S1472047	NUSSNRSI-CL-3087		2022-03-17	28	3	150	50.0	56.5	57.2	P	P
82	2022-04-14	S1472049	NUSSNRSI-CL-3096		2022-03-17	28	3	150	50.0	57.3	57.2	P	P
83	2022-04-14	S1472051	NUSSNRSI-CL-3105		2022-03-17	28	3	150	50.0	56.8	57.1	P	P
84	2022-04-14	S1472055	NUSSNRSI-CL-3123		2022-03-17	28	3	150	50.0	56.7	56.8	P	P
85	2022-04-14	S1472053	NUSSNRSI-CL-314		2022-03-17	28	3	150	50.0	56.5	56.8	P	P
86	2022-04-16	S1485309	NUSSNRSI-CL-3378		2022-04-08	8	3	150	37.5	45.6	-	A	N
87	2022-04-16	S1473150	NUSSNRSI-CL-3132		2022-03-18	29	3	150	50.0	57.9	57.0	P	P
88	2022-04-16	S1473152	NUSSNRSI-CL-3141		2022-03-18	29	3	150	50.0	58.1	57.3	P	P
89	2022-04-18	S1486265	NUSSNRSI-CL-3486		2022-04-11	7	3	150	37.5	43.8	-	A	N
90	2022-04-18	S1486267	NUSSNRSI-SL-3495		2022-04-11	7	3	150	37.5	44.0	-	A	N
91	2022-04-18	S1486269	NUSSNRSI-SL-3504		2022-04-11	7	3	150	37.5	44.4	-	A	N
92	2022-04-18	S1486271	NUSSNRSI-SL-3513		2022-04-11	7	3	150	37.5	43.9	-	A	N
93	2022-04-18	S1486273	NUSSNRSI-SL-3522		2022-04-11	7	3	150	37.5	44.6	-	A	N
94	2022-04-26	S1479260	NUSSNRSI-CL-3240		2022-03-29	28	3	150	50.0	57.1	57.4	P	P
95	2022-04-29	S1494466	NUSSNRSI-CL-3543		2022-04-22	7	3	150	37.5	45.9	-	A	N
96	2022-04-30	S1494480	NUSSNRSI-SL-3606		2022-04-23	7	3	150	37.5	46.8	-	A	N
97	2022-04-30	S1481585	NUSSNRSI-CL-3267		2022-04-02	28	3	150	50.0	59.4	58.1	P	P
SUB TOTAL		Total Set: 32	Total No of Cube: 96	Mean Average Strength (N/mm2):		50.3			Standard Deviation (N/mm2): 7.3				

Remarks: P - Comply With Specification, F - Does Not Comply With Specification, N - Not Applicable.

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Business Reg No. 199002667R

Concrete Supplier	PAN UNITED CONCRETE			Spec	SSEN 206 : 2014		Testing Standard	BSEN 12390 - 3 : 2019			Grade: 70		
Set #	Date Test	LabRef	ClientRef	GradeDesc	Date Cast	Age At Test	Cube No	Dim (mm)	Spec Strength (N/mm2)	Average Strength (N/mm2)	Rolling AveStr (N/mm2)	Criteria	
98	2022-04-12	S1470912	NUSSNRSI-GT-3012		2022-03-15	28	3	100	70.0	74.4	79.9	P	P
99	2022-04-13	S1483601	NUSSNRSI-GT-3363		2022-04-06	7	3	100	52.5	66.2	-	A	N
100	2022-04-14	S1472039	NUSSNRSI-GT-3054		2022-03-17	28	3	100	70.0	79.5	79.2	P	P
101	2022-04-25	S1489865	NUSSNRSI-GT-3531		2022-04-18	7	3	100	52.5	67.8	-	A	N
102	2022-04-26	S1495367	NUSSNRSI-GT-3537		2022-04-19	7	3	100	52.5	60.0	-	A	N
SUB TOTAL		Total Set: 5	Total No of Cube: 15	Mean Average Strength (N/mm2):		69.6			Standard Deviation (N/mm2): 7.5				

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Fax No:

Concrete Supplier	SITE MIXED	Spec	SSEN 206 : 2014	Testing Standard	BSEN 12390 - 3 : 2019	Grade:	70
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Set #	Date Test	LabRef	ClientRef	GradeDesc	Date Cast	Age At Test	Cube No	Dim (mm)	Spec Strength (N/mm2)	Average Strength (N/mm2)	Rolling AveStr (N/mm2)	Criteria B	Criteria A
103	2022-04-08	S1467190	NUSSNRSI-GT-3006		2022-03-11	28	3	100	70.0	78.0	78.0	P	N

SUB TOTAL	Total Set: 1	Total No of Cube: 3	Mean Average Strength (N/mm2): 78.0	Standard Deviation (N/mm2): .0
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Remarks: P - Comply With Specification, F - Does Not Comply With Specification, N - Not Applicable.
A - Above Spec Strength for 7-day Strength, B - Below Spec Strength for 7-day Strength. Unless otherwise specified, TÜV SÜD applies in-house.
Criteria of 7-day Strength should be at least 75% of the grade of concrete to assist clients to assess 7-days results.