

Mitra S. K. Private Limited



Shrachi Centre (5th Floor)
74B, Acharya Jagadish Chandra Bose Road
Kolkata - 700 016, West Bengal, India
[CIN : U51909WB1956PTC023037]

T : 91 33 22172249 / 40143000 / 22650006 / 22650007
F : 91 33 22650008
E : info@mitrask.com

Ref. No. : WB/1273

Date : 11.12.2019

CERTIFICATE OF INSPECTION

We hereby certify to have attended for the following consignment of Olivine Sand at the request of M/s. TM International Logistics Limited, at Haldia Port and Paradip Port. We report as follows:

VESSEL : MV. GLOBAL FRONTIER
CARGO : Olivine Sand in bulk
RECEIVER : M/s. TM International Logistics Limited.
LOADPORT : ISKENDERUN, TURKEY
DISCHARGE PORT : Dhamra & Haldia, India
B/L QUANTITY : 55000.000 MT
QUANTITY :
DISCHARGED : 55000.000 MT (As per Draught Survey)

	Dhamra	Haldia
Period	27.11 - 29.11.2019	01.12 - 03.12.2019
Qty.(MT)	28842.000	26158.000

AT DHAMRA PORT:

VESSEL ARRIVED : On 25.11.2019 at 12:12 Hrs
VESSEL BERTHED : On 27.11.2019 at 16:50 Hrs at MPB
DISCHARGE : Commenced on 27.11.2019 at 19:00 Hrs at MPB
Completed on 29.11.2019 at 14:00 Hrs at MPB



ISO 9001:2008

Certified for H.O.,
Central Lab & Haldia Site

Page 01 of 05

W : www.mitrask.com

[Terms & Conditions as applicable, overleaf.]



Mitra S. K. Private Limited

Shrachi Centre (5th Floor)
74B, Acharya Jagadish Chandra Bose Road
Kolkata - 700 016, West Bengal, India
[CIN : U51909WB1956PTC023037]

T : 91 33 22172249 / 40143000 / 22650006 / 22650007
F : 91 33 22650008
E : info@mitrask.com



SAMPLING

: Cargo has been discharged from the vessel holds to the wharf along side the vessel, using ship's cranes and grabs. The cargo has been shifted from the wharf to a port inside the port premises with the help of trucks and dumpers. Samples have been drawn at the wharf during discharge from ship hold at regular intervals by the scoop from bottom, middle and top of the heap from direction chosen at random and sub lot-wise sample were prepared for every 8,000 MT approx.

The gross sample of each sub lot was subjected to screen test. The lot-wise sampling and screen test carried out by us was witnessed by the representatives at receivers,

A final composite sample was prepared which was utilized to carry out chemical tests.

AT HALDIA PORT:

VESSEL ARRIVED :
VESSEL BERTHED :

On 01.12.2019 at 13:00 Hrs
On 01.12.2019 at 15:25 Hrs at berth No 12,HDC

DISCHARGE :

Commenced on 01.12.2019 at 16:10 Hrs at berth No 12, HDC
Completed on 03.12.2019 at 11:30 Hrs at berth No 12, HDC

SAMPLING

: Cargo has been discharged from the vessel holds to the wharf along side the vessel, using ship's cranes and grabs. The cargo has been shifted from the wharf to a port inside the port premises with the help of trucks and dumpers. Samples have been drawn at the wharf during discharge from ship hold at regular intervals by the scoop from bottom, middle and top of the heap from direction chosen at random and sub lot-wise sample were prepared for every 6800 MT approx.

The gross sample of each sub lot was subjected to screen test. A final composite sample was prepared for each parcel, which was utilized for chemical tests.

A final composite sample was prepared which was utilized to carry out chemical tests.

for MITRA S.K. PRIVATE LTD.

Cert. Checked by:

AUTHORISED SIGNATORY

Page 02 of 05



W : www.mitrask.com

[Terms & Conditions as applicable, overleaf.]



Mitra S. K. Private Limited

Shrachi Centre (5th Floor)
74B, Acharya Jagadish Chandra Bose Road
Kolkata - 700 016, West Bengal, India
[CIN : U51909WB1956PTC023037]

T : 91 33 22172249 / 40143000 / 22650006 / 22650007
F : 91 33 22650008
E : info@mitrask.com



CERTIFICATE OF QUALITY AND SIZE ANALYSIS

Ref. No. : WB/1274

Date : 11.12.2019

Size Analysis :

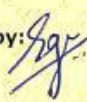
Weighted average results of size analysis as carried out in respective ports are as below :

Disport	Haldia	Dhamra	Total/ Wt. Avg
Quantity (MT)	26158.000	28842.000	55000.000
(+) 8 mm (%)	0.39	0.02	0.20
(-) 8 mm (+) 2.80 mm (%)	4.15	3.19	3.65
(-) 2.80 mm			
(+) 250 micron (%)	63.78	65.47	64.67
(-) 250 micron (%)	31.68	31.32	31.49

ANALYSIS :

The composite samples of cargo discharged at Haldia and Paradip were analysed separately, based on standard method of analysis for the following constituents:

Disport	Haldia	Dhamra	Total/ Wt. Avg.
Quantity (MT)	26158.000	28842.000	55000.000
SiO ₂ (%)	42.40	42.65	42.53
MgO (%)	43.05	43.02	43.03
Al ₂ O ₃ (%)	0.79	0.82	0.81
Cr ₂ O ₃ (%)	0.38	0.39	0.39
Na ₂ O (%)	0.044	0.050	0.047
K ₂ O (%)	0.018	0.020	0.019
CaO (%)	0.70	0.72	0.71
Fe ₂ O ₃ (%)	8.37	8.37	8.37
NiO (%)	0.27	0.27	0.27
MnO (%)	0.110	0.110	0.110
LOI	2.96	2.78	2.87
MOISTURE	1.22	1.84	1.55

Cert. Checked by: 

for MITRA S. K. PRIVATE LTD.

AUTHORISED SIGNATORY

Page 03 of 05

ISO 9001:2008
Certified for H.O.
Central Lab & Haldia Site

W : www.mitrask.com

[Terms & Conditions as applicable, overleaf.]



Mitra S. K. Private Limited



Shrachi Centre (5th Floor)
74B, Acharya Jagadish Chandra Bose Road
Kolkata - 700 016, West Bengal, India
[CIN : U51909WB1956PTC023037]

T : 91 33 22172249 / 40143000 / 22650006 / 22650007
F : 91 33 22650008
E : info@mitrask.com

Ref. No. : WB/1275

Date : 11.12.2019


DRAUGHT SURVEY CERTIFICATE

Certified that at the request of **M/s. TATA STEEL LTD., PARADIP** our surveyors visited the ship **MV. "GLOBAL FRONTIER"** at **Dhamra Port** on 27.11.2019 and on 29.11.2019 and from the following figures, we approximate that the subject vessel has discharged a quantity of **28842.000 Mt.** of **Olivine Sand** in bulk.

	Initial	Final	Initial	Final
Date	27.11.2019	29.11.2019 L.O	--	----
Time	1725 - 1900 hrs	1400-1500 hrs		
Berth	BB-3A, DHAMRA	BB-3A, DHAMRA		
Density (Kg/l)	1.006	1.009	Fuel Oil (MT)	460.00 454.00
Corrected Fore (m)	12.925	7.758	Diesel Oil (MT)	70.00 70.00
Corrected Aft (m)	13.179	7.866	Ballast (MT)	306.00 214.00
F/A Mean Draught(m)	13.052	7.812	Fresh Water (MT)	195.00 185.000
Port Midship(m)	13.130	7.760	Lube Oil (MT)	-- --
Starboard Midship (m)	13.070	7.770	Total (MT)	1031.00 923.00
Midship Mean Draught(m)	13.100	7.765	Difference (MT)	(-) 108.00
Mean of Draughts (m)	13.076	7.785	Initial Displacement(MT)	66945.00
Mean of Means (m)	13.088	7.77675	Final Displacement(MT)	37995.00
Displacement (MT)	68185.00	38610.00	Difference In Displacement(MT)	28950.00
Trim Correction(MT)	(+) 24.00	(-) 13.00	Difference on ship'sAccount(MT)	(-) 108.00
			CARGO	28842.000 Metric Tons
Density Correction(MT)	(-) 11264.00	(-) 602.00		
Corrected	66945.00	37995.00		
Displacement(MT)				

/ISSUED WITHOUT PREJUDICE/
ISSUED AT DISCHARGE PORT
Paradip, INDIA

FOR MITRA S. K. PRIVATE LIMITED

Cert. Checked By : 


AUTHORISED SIGNATORY

This report is issued subject to the condition that it is understood and agreed that neither firm nor any of its surveyors is under any circumstances whatsoever to be held responsible for any inaccuracy in any report or certificate issued by this firm or its surveyors or for any error of judgment, default, or negligence of its surveyors or agents.

Page 04 of 05



W : www.mitrask.com

[Terms & Conditions as applicable, overleaf.]



Mitra S. K. Private Limited



Shrachi Centre (5th Floor)
74B, Acharya Jagadish Chandra Bose Road
Kolkata - 700 016, West Bengal, India
[CIN : U51909WB1956PTC023037]

T : 91 33 22172249 / 40143000 / 22650006 / 22650007
F : 91 33 22650008
E : info@mitrask.com

Ref. No. : WB/1276

Date : 11.12.2019


FINAL DRAUGHT SURVEY REPORT

This is to certify that at the request of M/s. TM International Logistics Limited our surveyor did visit the ship **MV. "GLOBAL FRONTIER"** at **Haldia Port, India** between 01.12.2019 and on 03.12.2019 and from the following figures, that the subject vessel has discharged a quantity of **26158.000** WMT of **Olivine Sand** in bulk at Haldia Port.

	Initial	Final		Initial	Final
Time	1300-1430 hrs	1130-1230 hrs	Fuel Oil (MT)	439.00 MT	432.00 MT
Berth	LOCK GATE, HDC	BERTH NO. 12, HDC	Diesel Oil (MT)	70.00 MT	70.00 MT
Density	1.000 Kg./Lt.	1.000 Kg./Lt.	Ballast (MT)	415.00 MT	13596.00 MT
Corrected Fore	7.858 M	4.188 M	Fresh Water (MT)	177.00 MT	170.00 MT
Corrected Aft	7.934 M	6.635 M	Lube Oil (MT)		
F/A Mean Draught	7.896 M	5.4115 M	Total (MT)	1101.00 MT	14268.00 MT
Port Midship	7.810 M	5.410 M	Difference (MT)		13167.00 MT
Starboard Midship	7.910 M	5.410 M	Initial Displacement(MT)		38141.00 MT
Midship Mean Draught	7.860 M	5.410 M	Final Displacement(MT)		25150.00 MT
Mean of Draughts	7.878 M	5.41075 M	Difference in Displacement(MT)		12991.00 MT
Mean of Means	7.8690 M	5.41075 M	Difference on ship's Account		13167.00 MT
Displacement (MT)	39104 MT	26198 MT			
Trim Correction(MT)	(-) 9.00 MT	(-) 419 .00 MT	CARGO	26158.00	Metric Tons
Density Correction(MT)	(-) 954.00 MT	(-) 629.00 MT			
Corrected Displacement(MT)	38141.00 MT	25150.00 MT			

/ISSUED WITHOUT PREJUDICE/
ISSUED AT DISCHARGE PORT
HALDIA, INDIA

FOR MITRA S. K. PRIVATE LIMITED

Cert. Checked by: 


AUTHORISED SIGNATORY

This report is issued subject to the condition that it is understood and agreed that neither firm nor any of its surveyors is under any circumstances whatsoever to be held responsible for any inaccuracy in any report or certificate issued by this firm or its surveyors or for any error of judgment, default, or negligence of its surveyors or agents.

Page 05 of 05

ISO 9001:2008

Certified for H.O.,
Central Lab & Haldia Site

W : www.mitrask.com

[Terms & Conditions as applicable, overleaf.]

