



FINAL INSPECTION REPORT

CUSTOMER :M/s. UTTAM SUCROTECH INTERNATIONAL PVT. LTD.
PO.NO :-USLCO/PUR/UI5404/PCSML-CO-GEN-51/2020-21/33590
PROJECT :-5000 TCD SUGAR PLANT, PANIPAT
ITEMS :- ELECTROFORGED GRATINGS.
QAP :- USIPL/ QAP/ ELECTROFORGED GRATING/ 130 Rev.00

INSP. DATE :-15/9/2020
LOT NO :-01
PO DATE :-25 /8/2020
REPORT NO :-IEPL/2020/9/1
DIMENSINAL TOLERANCE:- +5 MM
QAP DATE :- 4/4/2020

A)INSPECTION DETAILS

Table with 7 columns: Line No., Item Code, Drawing Name, REV, Total GRT. Qty IN NOS, Total SQM., total wt in kgs. It lists three items: GRATING AT EL. 16.175 TOGR, GRATING AT EL. 34.675 TOGR, and INTERCONNECTING PLATFORM, with a GRAND TOTAL at the bottom.

B) CONSTRUCTION DETAILS

Table with 4 columns: SR. NO., DESCRIPTION, REQUIRED DIMENSION, OBSERVED DIMENSION. It details BEARING BAR, CROSS BAR, and B/B PITCH & C/B PITCH with their respective dimensions.

Remark - Inspection carried out & observations are as below

- 1] All the materials have been manufactured and fabricated in accordance to QAP/PO/DRAWING.
2] Overall dimension[i.e Span and Width] checked AS PER P.O/drawings and found acceptable.
3] All the materials have been inspected in a accordance to M/s.IEPL Sampling Plan for larger quantities and materials with smaller quantities have been inspected 100%.

4] Total workmanship and welding quality found satisfactory.

Above material is in PAINTED_CONDITION.

Above material is RELEASED FOR DESPATCH

ENCLOSURE :

- 1) ANNEXTURE
2) RAW MATERIAL INSP REPORT
3) RAW MATERIAL TC
4)EFW PANNEL INSP REPORT
5)INTERNAL CUTTING AND FABRICATION REPORT
6.DEFLECTION TEST REPORT
7.PULL LOAD TEST REPORT
8.PAINTING COATING THICKNESS REPORT.
9. PAINT TEST CERTIFICATE

CUSTOMER

TPI



FOR IRONWELD ENGINEERING PVT LTD.

SUNIL HIVARKAR



IRONWELD ENGINEERING PVT LYD.

GAT NO 1263/5, PIMPALGOAN PHATA, MARKAL. TAL-KHED. DIST-PUNE

ANNEXURE-1

REFERENCE REPORT NO: IEPL/2020/9/1

INSPECTION .DATE :15/9/2020

Material is in : PAINTED CONDITION

NAME OF CUSTOMER :-M/s. UTTAM SUCROTECH INTERNATIONAL PVT. LTD.

PO NO :USI.CO/PUR/UI5404/PCSML-CO-GEN-51/2020-21/33590

PROJECT :5000 TCD SUGAR PLANT, PANIPAT

BEARING BAR : 25 X5MM(P)

CROSS BAR : Square twisted bar 6 mm across

BINDING BAR :25 X 5 MM(P)

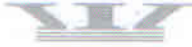
MESH : 40X100 mm

DRAWING NO/TITLE : U15404-102-03-1-013 / GRATING AT EL. 16.175 TOGR

RECTANGULAR GRATING

Sr.No.	Hard Punch	Span	Width	Qty.	Area in sq.m.	Total Area in sq.m.	Remarks
1	16GRT06	1200	995	8	1.19	9.55	
2	16GRT16	1200	995	1	1.19	1.19	NOTCH
3	16GRT17	1200	995	1	1.19	1.19	NOTCH
GRAND TOTAL				10		11.94	
				10		11.94	
Total no. of Rectangular Gratings in nos.							10
Total no. of Rectangular Area in sq.m.							11.94
total wt in kgs							330.26





IRONWELD ENGINEERING PVT LYD.

GAT NO 1263/5, PIMPALGOAN PHATA, MARKAL.TAL-KHED.DIST-PUNE

ANNEXURE-2

REFERANCE REPORT NO:IEPL/2020/9/1

INSPECTION .DATE :15/9/2020

Material is in : PAINTED CONDITION

NAME OF CUSTOMER :-M/s. UTTAM SUCROTECH INTERNATIONAL PVT. LTD.

PO NO :USI.CO/PUR/UI5404/PCSML-CO-GEN-51/2020-21/33590

PROJECT :5000 TCD SUGAR PLANT, PANIPAT

BEARING BAR : 25 X5MM(P)

CROSS BAR : Square twisted bar 6 mm across

BINDING BAR :25 X 5 MM(P)

MESH : 40X100 mm

DRAWING NO/TITLE : U15404-102-03-1-019 / GRATING AT EL. 34.675 TOGR

RECTANGULAR GRATING

Sr.No.	Hard Punch	Span	Width	Qty.	Area in sq.m.	Total Area in sq.m.	Remarks
1	34GRT13	1200	1161.7	1	1.39	1.39	NOTCH
2	34GRT14	1200	1161.7	8	1.39	11.15	
3	34GRT15	1200	1161.7	1	1.39	1.39	NOTCH
4	34GRT16	1200	995	1	1.19	1.19	NOTCH
5	34GRT17	1200	995	8	1.19	9.55	
6	34GRT18	1200	997	1	1.20	1.20	NOTCH
				20		25.88	
	GRAND TOTAL			20		25.8828	
	Total no. of Rectangular Gratings in nos.						20
	Total no. of Rectangular Area in sq.m.						25.8828
	total wt in kgs						715.92





ANNEXURE-3

REFERANCE REPORT NO:IEPL/2020/9/1

INSPECTION DATE :15/9/2020

Material is in : PAINTED CONDITION

NAME OF CUSTOMER :-M/s. UTTAM SUCROTECH INTERNATIONAL PVT. LTD.

PO NO :USI.CO/PUR/UI5404/PCSML-CO-GEN-51/2020-21/33590

PROJECT :5000 TCD SUGAR PLANT, PANIPAT

BEARING BAR : 25 X5MM(P)

CROSS BAR : Square twisted bar 6 mm across

BINDING BAR :25 X 5 MM(P)

MESH : 40X100 mm

DRAWING NO/TITLE :U15404-102-03-1-007 / INTERCONNECTING PLATFORM

RECTANGULAR GRATING

Sr.No.	Hard Punch	Span	Width	Qty.	Area in sq.m.	Total Area in sq.m.	Remarks
1	GT1	1009	1102.5	1	1.11	1.11	NOTCH
3	GT2	1286	932.5	1	1.20	1.20	NOTCH
4	GT3	1102.5	762.5	1	0.84	0.84	
5	GT4	825	800	1	0.66	0.66	
6	GT5	825	759.5	1	0.63	0.63	
2	GT6	825	770	1	0.64	0.64	NOTCH
3	GT7	932.5	1375	1	1.28	1.28	
4	GT8	995	835	1	0.83	0.83	NOTCH
5	GT9	932.5	1620	1	1.51	1.51	NOTCH
3	GT10	995	1450	1	1.44	1.44	NOTCH
4	GT11	932.5	1234	1	1.15	1.15	NOTCH
5	GT12	995	1085	1	1.08	1.08	NOTCH
6	GT13	932.5	1301	1	1.21	1.21	NOTCH
2	GT14	995	1047	1	1.04	1.04	
3	GT15	1102.5	1215	1	1.34	1.34	NOTCH
4	GT16	995	785	1	0.78	0.78	NOTCH
5	GT17	825	1219.5	1	1.01	1.01	NOTCH
2	GT18	932.5	1085	1	1.01	1.01	NOTCH
3	GT19	825	1709	1	1.41	1.41	NOTCH
4	GT20	825	1257.5	1	1.04	1.04	NOTCH
5	GT21	995	1085	1	1.08	1.08	NOTCH
6	GT22	995	1100	1	1.09	1.09	
2	GT23	995	1450	1	1.44	1.44	
3	GT24	825	1450	1	1.20	1.20	
4	GT25	1102.5	1085	1	1.20	1.20	NOTCH
5	GT26	825	1085	1	0.90	0.90	
				26		28.12	
GRAND TOTAL				26		28.116	
Total no. of Rectangular Gratings in nos.							26
Total no. of Rectangular Area in sq.m.							28.12
total wt in kgs							777.69



SUPPLIER NAME	Multisteel Industries	DATE OF RECEIPT	5/9/2020
MATERIAL SPECIFICATION	MS Flat 25X5	VERIFIED BY	
TEST CERTIFICATE DETAILS	255	INVOICE NO.	MS0613
VEHICLE NO.	MH12NX1514		

SR. NO.	DIMENSIONAL CHECK BY VERNIER CALIPER & MEASURING TAPE			VISUAL INSPECTION			REMARKS
	WIDTH	THICKNESS	LENGTH	STRAIGHTNESS	EDGE BLUTNESS	SURFACE FINISH	
1	25 mm	5 mm	6020mm	OK	NO	OK	visually all material checked and found ok
2	25.0	4.8mm	6020	OK	NO	OK	
3	24.9	4.9	6010	OK	NO	OK	
4	24.8	5.0	6020	OK	NO	OK	
5	25.1	5.0	6020	OK	NO	OK	
6	24.9	4.9	6010	OK	NO	OK	
7	24.8	4.8	6010	OK	NO	OK	
8	24.9	4.9	6020	OK	NO	OK	
9	25.0	5.0	6010	OK	NO	OK	
10	24.9	5.1	6020	OK	NO	OK	
11	24.8	4.9	6020	OK	NO	OK	
12	25.0	4.8	6010	OK	NO	OK	
13	25.1	5.0	6015	OK	NO	OK	
14	25.0	5.1	6015	OK	NO	OK	
15	24.9	4.9	6017	OK	NO	OK	
16	25.0	4.8	6020	OK	NO	OK	
17	24.9	4.9	6020	OK	NO	OK	
18	24.8	5.0	6018	OK	NO	OK	
19	25.1	5.1	6019	OK	NO	OK	
20	25.0	5.0	6015	OK	NO	OK	
21	25.0	4.9	6015	OK	NO	OK	
22	24.9	4.8	6010	OK	NO	OK	
23	24.8	4.9	6015	OK	NO	OK	
24	24.9	5.0	6015	OK	NO	OK	
25	25.0	5.1	6015	OK	NO	OK	
26	25.0	5.0	6020	OK	NO	OK	
27	25.1	4.9	6015	OK	NO	OK	

ALL DIMENSION ARE IN MM

REMARK

CHECKED BY

APPROVED BY: *SPENCER*





MULTI STEEL INDUSTRIES

Factory : Gut No. 146, Village Saprunde, Kondla Road, Near Kudus, Tal. Wada, Dist. Palghar. Email: multisteel@gmail.com
Manufacturers of: MS Flat Bars, Square Bars, Rounded Bars

WORKS TEST CERTIFICATE FOR STEEL AS PER EN 10204-3.1

Test Certificate no.: 255

255

Date: 05-09-2020

Name of Party: IRONWELD ENGINEERING PVT.LTD; KHED; PUNE

TEST RESULTS

SIZE (MM)	LOT NO & Date	QTY (TONS)	CHEMICAL ANALYSIS							MECHANICAL PROPERTIES				
			C	S	P	Mn	Si	CE	.2% Proof stress YS N/mm ²	Tensile strength N/mm ²	Elongation %	Bend Test	Grade Equivalent	
MS FLAT BAR 25MMX5MM	MSN-174 dt 30/08/2020	8.940	0.22	0.034	0.041	0.53	0.17	0.32	331	490	27.77	OK	E 250 A	
MS FLAT BAR 30MMX3MM	MSN-152 dt 19/08/2020	6.120	0.17	0.037	0.044	0.56	0.16	0.26	317	484	28.25	OK	E 250 A	
			0.23	0.036	0.042	0.62	0.22	0.33	336	490	27.05	OK	E 250 A	
			0.21	0.040	0.043	0.65	0.24	0.32	325	486	27.54	OK	E 250 A	

Remarks: 1) The Material supplied conforms to standard rolling and as rolling condition

2) The above report is based on standard parameters

3) Testing done as per standard plan

Invoice no. 613

05-09-2020

Truck no. MH12NX-1414



For MULTI STEEL INDUSTRIES

Quality Control In Charge

CTRL

CHAKAN TESTING AND RESEARCH LAB

(AN ISO - 17025: 2017 Accredited Lab by NABL)

Address: M.No.948 Gat No.231 Varchi Kad Vasti, Kharabwadi, TAL-Khed, Dist. Pune, Maharashtra.

Mobile: 9527240361 / 8975503072, e-mail id: info.ctrlab@gmail.com



Certificate No. TC- 8638

TEST REPORT

COMPANY NAME & ADDRESS: IRONWELD ENGINEERING PVT. LTD.	Your Challan No. & Date: IEPL/2020/09/18 & 11/09/2020
GATE NO.-1263\5, ALANDI MARKAL RD., PIMPALGAON PHATA, POST - MARKAL - 412105	Sample Received Date : 11/9/2020
Sample Description:- MS FLATS 25 X 5 MM (P) (IEPL/2020/09/1)	Report Date : 14/09/2020
Sample Received Qty. :- 04	Material Specification:- IS 2062 GR. A, Sample Condition:- Machined & Tested
Test Temp. : Room Temp.	Tested Date & Place:- 13/09/2020 & CTRL

TENSILE TEST RESULTS :-

Parameters	T1		T2	Spec. Value
	LAB ID:- CTRL/2020/09/192/193		REPORT NO:- UTM/1047/1048	
Thickness (mm)	4.96		4.97	
Width (mm)	12.50		12.50	
Area (sq. mm)	62		62.12	
Original G.L (mm)	44.00		45.00	
Final G.L (mm)	54.50		57.50	
Yield Load. (kN)	22.74		22.71	
Ultimate Tensile Load (kN)	31.44		32.01	
Yield Stress (Mpa)	367.00		366.00	230.00 MIN.
Ultimate Tensile Strength (MPa)	507.00		515.00	410.00 MIN.
% Elongation	23.86		27.77	23.00 MIN.
Location	W.G.L.		W.G.L.	

REMARK:- Above Tensile Test Results Conforms to the STD. IS 2062 GR. E250 QUALITY A.

BEND TEST RESULTS :-

Direction / Orientation	BEND 1		BEND 2
	LAB ID:- CTRL/2020/09/194/195		REPORT NO:- UTM/1049/1050
Width	25.00		25.00
Thickness (mm) Reduced	5.00		5.00
Former Diameter (2T)	10.00		10.00
Position	180°		180°
Observation	No Crack observed - Found ok		No Crack observed - Found ok

REMARK :- Found Satisfactory

CHEMICAL ANALYSIS :-

% Element	Spec. Min.	Spec. Max.	Observation Value
C		0.23	0.18
Mn		1.50	0.55
P		0.045	0.015
S		0.040	0.028
Si		0.40	0.17

REMARK:- Above Chemical Test Results Conforms to the STD. IS 2062 GR. E250 QUALITY A.

Checked by - ROHIT JHA

Reviewed & Authorized by Technical Manager - SUBODH MULIK

*** END OF REPORT ***

1. Report and test results relates only to the sample (s) submitted and tested.	5. Tests marked as (*) are not covered under the scope of NABL accreditation presently.
2. Sample(s) are submitted by the customer and not drawn by CTRL	6. Measurement of uncertainty is accounted for when stating conformity with specified requirement
3. Report shall not be reproduced, except in full without prior written permission of CTRL.	7. Applied Decision rule applicable for tested parameter (s) only
4. Any correction to report without authorization invalidates report.	8. Samples are retained by CTRL for 30 days. If required, please arrange to collect the balance / tested sample, if any, within this time frame. Any request to retest or extra test will attract extra / additional cost.

The reported uncertainty is at a coverage factor k=2 corresponds to a confidence level 95.45%

Format number: CTRL/GF/33 Rev.01

PAGE 1 OF 1

Subjected to Pune Jurisdiction

Reviewed & found ok
Smeetha

IRONWELD ENGINEERING PVT LTD. PRODUCTION CUM INSPECTION REPORT FOR- EFW Format No. C-QF/PRD/01A
 Rev No. : 00
 Rev Date : 01-06-2020

IWO No :3 **IWO Release Date : 6/9/2020** **MTRL ISSUE Slip No.:** MRS NO.:IEPL-203

DRG. REF. : -- CUSTOMER NAME :

MACHINE NO:1 RM SPECN.: IS 2062 GRA
 RM SIZE: 25x5(p)
 OPERATOR NAME: RM Supplier CH. & GIN No.:613 DTD 5/9/2020

Grating Specification : 25x5(p)@40 c/c, 6mmsqtw@100 c/c

SR NO	SPAN IN MM	WIDTH IN MM	QTY	SQM	WT OF FLAT	WT OF C/B	TOTAL WT
1	6020	1000	12				
TOTAL			12	0	0	0	0

Inspector Name: SHIFT- 1st

PARAMETER	SPECN.	1 ST PCS.	INPROCESS INSPECTION OBSERVATION					REMARK
			1	2	3	4	5	
INSP. TIME---->>>								
PANEL WIDTH		998	999	998				
LENGTH		6020	6020	6020				
MESH		40x100	40x100	40x100				
DIAGONAL		5mm	4mm	4mm				
PROJ. WELD		1.4mm	1.2mm	1.3mm				
WELDING STRENGTH	20 Kg Load on One Joint	OK	OK	OK				
VISUAL INSP.	Straight	OK	OK	OK				

[Signature]
Inspector Sign

PRODUCED PANEL	SQUZZE	WELD ON1	WELD OFF 1	WELD ON2	WELD OFF 2	HOLD	PRESSURE
OBSERVED	25	27	08	05	07	30	100 kg/m ²

TOTAL NO. OF PROD.GRATING PANEL NOS.

DOWNTIME ANALYSIS								
SHIFT & TIME	NO RM	NO MAN	NO POWER	M/C BD	NO LOAD	M/C SET	CRANE BD	TOTAL

RELEASED BY. : APPROVED BY



[Signature]

sample report

IRONWELD ENGINEERING PVT LTD.

PRODUCTION CEM INSPECTION REPORT FOR FABRICATION

DATE OF ISSUE: 3/9/2020

PROCESS SHEET NO.: 1
CUSTOMER NAME :-

PO. NO. : 6

SURFACE TREATMENT: SELF COLOR

GRATING CONSTRUCTION :- 25mm x 5 mm PLAIN Bar @ 40 mm C/C & 5 mm A/C Square Twisted Bar @ 100 mm C/C
WELDING SPECIFICATION:- 1) 3 MM FULL WELDING AT ALL FOUR CORNERS.

2) 3 mm full weld at every FIFTH bearing bar on one side at one end & other side at other end.

ORDER/OFFER DETAILS

INSPECTION DETAILS

SR NO	HARD PUNCH NO.	QTY IN NOS	SPAN	WIDTH	SO. MTR	TP LENGTH	GRATING DETAILS	R.C	SPAN	WIDTH	D. ANGULAR	NOTCH DRG	VISUAL & WELDING QUALITY	REMARK
1	16GR106	1	1200	995	1.19			2	1200	995	3mm		ok	
1	16GR106	1	1200	995	1.19			2	1197	995	3mm		ok	
1	16GR106	1	1200	995	1.19			2	1197	995	3mm		ok	
1	16GR106	1	1200	995	1.19			2	1200	995	3mm		ok	
1	16GR106	1	1200	995	1.19			2	1198	995	3mm		ok	
1	16GR106	1	1200	995	1.19			2	1194	995	3mm		ok	
1	16GR106	1	1200	995	1.19			2	1195	995	3mm		ok	
1	16GR106	1	1200	995	1.19			2	1191	995	3mm		ok	
2	16GR116	1	1200	995	1.19		NOTCH	3	1197	995	3mm		ok	
3	16GR117	1	1200	995	1.19		NOTCH	3	1200	995	3mm		ok	
TOTAL					11.94									

NOTE:- ALL DIMENSION ARE IN MM

DATE & SIGN OF FAB.:-

DATE & SIGN OF INSP.:-

PREPARED BY:-

CHECKED BY:-

DATE & SIGN OF BLACK DESP

APPROVED BY:-



Ironweld

IRONWELD ENGINEERING PVT. LTD.	PROCEDURE FOR PULL LOAD TEST	WI No.: WI/QA/01
		Rev. No : 00
		Eff. Date : 01-06-2020

PULL LOAD TEST REPORT

DATE: 13.09.2020

CLIENTM/s. UTTAM SUCROTECH INTERNATIONAL PVT. LTD.

TEST CARRIED OUT: PULL LOAD TEST

SAMPLE DETAILS: Electro forged gratings homogeneous 'T' joint

GRATING CONSTRUCTION:

BEARING BAR PITCH: 25 x 5 (P) @ 40 mm c/c

CROSS BAR PITCH: 6 mm sq. twisted bar @ 100 mm c/c

AS PER EIL STANDARD NO 7-68-0697 REV-04

THE JOINT BETWEEN BEARING BAR & CROSS BAR ARE ABLE TO SUSTAIN MINIMUM PULL LOAD OF 1.2 TIMES. THE ALLOWABLE SHEAR CAPACITY OF THE SECONDARY MEMBER.

WHERE THE PRIMERY MEMBER = BEARING BAR

SECONADARY MEMBER= CROSS BAR

SHEAR CAPACITY = CROSS SECTIONAL AREA OF SECONDARY MEMBER X 100 Mpa

DERIVATION: -

PRIMARY MEMBER = 25 x 5 (P)

SECONADARY MEMBER= 6 mm sq. tw. Bar

SHEAR CAPACITY = 5.4 x 5.4 x 100 Mpa

= 2916 N

= 2.916 KN

SO AS PER STANDARD THE MINIMUM REQUIREMENT

PULL LOAD = 1.2 TIMES OF SHEAR CAPACITY

= 1.2 (2.916 KN)

= 3.50 KN

PULL LOAD TEST RESULT (OUT SOURCE)

1) KN (T.C. No. Dtd. 14/9/2020)

GRL/2020/UTM/1065

CONCLUSION:-

THE THEORITICAL MINIMUM REQUIRED VALUE IS 3.50 KN. ON THE SAMPLE PRACTICAL PULL LOAD TEST RESULT OBSERVED IS 5.10 KN. SO THE RESULT IS SATISFACTORY

NOTE: FOR THE ABOVE RESULT PLEASE REFER THE ATTACHED LAB REPORT.

PREPARED BY:

APPRVED BY



TEST REPORT

Test Report Number: CTRL/2020/UTM/1065

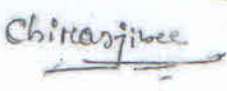

Report Issue Date: 14/09/2020

ULR No: TC86382000002934F

Name of Customer	IRONWELD ENGINEERING PVT. LTD.		
Address	GATE NO.1263/5, ALANDI MARKAL ROAD, PIMPALGOAN PHATA, PUNE		
Contact Details of Customer	--	Your Challan No & Date	IEPL/2020/09/18 & 11/09/2020
Sample Description	6 MM SQ. TW: (IEPL/2020/09/04)	Sample Received Date	11/09/2020
Sample Quantity received	01	Tested at & Date	CTRL Lab Chakan Pune & 13/09/2020
Material Spec.	7-68-0697, rev. 04	Test Temp. (°C)	Room Temp.
Our Lab ID No	CTRL/2020/06/162	Sample condition	AS RECEIVED
Discipline	Mechanical		
Group	Mechanical properties of metals		
Test method	ASTM A 370: 2018		

Pull Out Test: -

Parameter	Observed	Specification
Breaking (Pull out) Load (KN)	5.10	3.50 min.
Remark: -	Above Test Conforms to Customer Specification	

Checked by - CHIRANJIBEE KU. MAHANTA	Reviewed & Authorized by Technical Manager - SUBODH MULIK
	

*** End of Test Report ***



1. Report and test results relates only to the sample (s) submitted and tested.	5. Tests marked as (*) are not covered under the scope of NABL accreditation presently.
2. Sample(s) are submitted by the customer and not drawn by CTRL	6. Measurement of uncertainty is accounted for when stating conformity with specified requirement
3. Report shall not be reproduced, except in full without prior written permission of CTRL.	7. Applied Decision rule applicable for tested parameter (s) only
4. Any correction to report without authorization invalidates report.	8. Samples are retained by CTRL for 30 days. If required, please arrange to collect the balance /tested sample, if any, within this time frame. Any request to retest or extra test will attract extra / additional cost.
The reported uncertainty is at a coverage factor k=2 corresponds to a confidence level 95.45%	
Format number: CTRL/QF/33 Rev.01	Subjected to Pune Jurisdiction

IRONWELD ENGINEERING PVT. LTD.

DEFLECTION TEST REPORT

REPORT NO: IEPL/LT/ /01

REFERANCE REPORT NO:GEPL/2020/09/01

DATE - 11.09.2020.

NAME OF CUSTOMER: - :M/s. UTTAM SUCROTECH INTERNATIONAL PVT. LTD..

PROJECT: --5000 TCD SUGAR PLANT, PANIPAT

PO.NO:- USI.CO/PUR/UI5404/PCSML-CO-GEN-51/2020-21/33590

TEST CARRIED OUT: DEFLECTION TEST

TYPE OF LOAD: UDL LOAD IN KG/M²

ELECTROFORGED GRATING SIZE:- U15404-102-03-1-019 / GRATING AT EL. 34.675 TOGR34GRT17
(00X995) MM

TECHNICAL DETAILS: Bearing Bar: 25x5MM PLAIN
Cross Bar :6MM SQ TW
Binding Bar:25X5MM PLAIN
Mesh: 40X100MM

PROCEDURE OF TESTING: - Electroforged Grating sample size 1200X995mm kept on simply supported beam & Dial gauge is set to 1.50 mm below mid-point of the grating & load of wt. 20 kg. Each of 31 nos. is applied on the top of grating by uniformly distributed & accordingly deflection is measured.
AS PER BS 4592

SR. NO.	TEST NAME	LOAD TYPE	WEIGHT IN KG.	INITIAL READING	FINAL READING IN MM	NET DEF. IN MM	REMARKS
1	Deflection Test	UDL IN Kg	620 Kg.	1.50 mm	5.30 mm	3.80 mm	SATISFACTORY

Acceptance AS PER BS 4592

Net safe working load deflection is within L/200.

Observation: Deflection observed 3.80 mm which is lesser than the required value (1200/200=6 mm or 5 mm Which is less) Hence sample is acceptable.

Result : SATISFACTORY.



PREPARED BY:

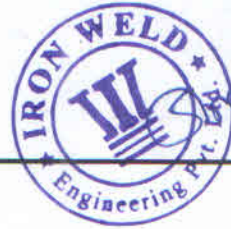
APPROVED BY:

IRONWELD ENGINEERING PVT LTD
REFERENCE REPORT NO:IEPL/2020/9/1 DATE-15/9/2020
PAINTING THICKNESS TEST REPORT

PAINT- INORGANIC ZINC PHOSPHATE PRIMER

SR NO	READING NO	OBSEVERD DFT IN MICRON	REQUIRED DFT IN MICRON	REMARK
1	1	72	70	OK
2	2	75	70	OK
3	3	82	70	OK
4	4	80	70	OK
5	5	85	70	OK
6	6	72	70	OK
7	7	76	70	OK
8	8	78	70	OK
9	9	80	70	OK
10	10	71	70	OK
11	11	70	70	OK
12	12	72	70	OK
13	13	75	70	OK
14	14	90	70	OK
15	15	85	70	OK
16	16	75	70	OK
17	17	73	70	OK
18	18	72	70	OK

CHECKED BY:



Handwritten signature/initials in blue ink.



TEST REPORT

Name of product	Batch No	Qty Mfg	Mfg Date	Name of customer
INORGANIC Z/P PRIMER	1319	60 lit	13/09/2020	IRONWELD ENGG PVT.LTD.ALANDI ROAD

S.No	TEST	SPECIFICATION	RESULT
1	SHADE	REDOXIDE	
2	VISCOSITY(ford cup no.B-4)R.T	90 ± 20 sec	90 sec
3	Weight per liter	1.15±0.20 gm/lit	1.15 gm/lit
4	Fineness of grinding	5*	5*
5	Non volatile content	70 ± 10 %	70 %
6	Drying time A)S.D.at R.T/35°C	10 ± 15 min	20 min
	B) Tack free	2-3 hrs	3 hrs
	C) Hard dry	24 hrs	24 hrs
7	Gloss finish	Smooth & Matt	Smooth & Matt
8	Covering power on chequer board(wet opacity)	6-7 m ² /lit	6.5 m ² /lit
9	Flexibility(IS-101)	pass	pass
10	Adhesion(Cross Cut) after 24 hours	pass	pass
11	INORGANIC ROP CONTENT	60	60
13	D.F.T	35 ± 5µm	38 µm
16	Spraying Viscosity	20 ± 5	20 sec

Note-Expiry 12 months from mfg date

F/QA/03


TESTED BY


APPROVED BY



Plot No. 114, Sector No.7, PCNTDA, MIDC, Bhosari, Pune-411026.
Ph.: +91-20-6612 1325 | Mob.: 8888188844, 89757 62435
Email : surajcoats@gmail.com | Website : www.surajcoats.com



Menakar