

DMSTM

DEEP METALLURGICAL SERVICES

NABL accredited ISO 17043-10, Proficiency Testing Provider

Dear PT Participants,

Deep Metallurgical Services is now conducting **Sixty-five NABL accredited PT programs** consisting of Chemical, Mechanical, Metallurgical, Corrosion schemes as per ISO 17043. The last date of registration is 6th October-2023. The result will be declared by 10th November-2023. All programs are also simultaneous and concurrently will be started from 15th October-2023. PT instruction for many of the programs can be downloaded from our website: www.deepmetlab.in. The PT programs details are as under:

ONGOING PT PROGRAM: October/November- 2023

| A Chemical Analysis | | | | |
|---------------------|-----------|--|--|-------------|
| Sr. No | Scheme no | Description | Quantitative method | PT fee, USD |
| 1 | Chem 1122 | Spark OES, low alloy steel; 12elements | ASTM E415, IS8811 or any validated method | \$220 |
| 2 | Chem 1222 | Spark OES, aluminum alloy; 12elements, | ASTM E1251, IS 11035 or any validated method | \$220 |
| 3 | Chem 1322 | Spark OES, austenitic stainless steel, 8elements | ASTM E1086, IS 9879 or any validated method | \$220 |
| 4 | Chem 1423 | Spark OES, nickel alloy grade, 12elements | Any validated method | \$220 |
| 5 | Chem 1523 | Spark OES, Copper alloy; 14elements | BS EN15079 or any validated method | \$220 |
| 6 | Chem 1623 | Spark OES, Cast iron, 10elements | Any validated method | \$220 |
| 7 | Chem 1723 | Spark OES, Tool steel, 12elements | Any validated method | \$220 |
| 8 | Chem 1823 | Wet chemical, low alloy steel, 7elements | IS 228 or any validated method | \$220 |
| 9 | Chem 1923 | Wet chemical, stainless steel, 7elements | IS 228 or any validated method | \$220 |

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ONGOING PT PROGRAM: October/November- 2023

| B.2. Impact Test; steel and weld | | | | |
|----------------------------------|-----------|--|----------------------------|-------------|
| Sr. No | Scheme no | Description | Quantitative method | PT fee, USD |
| 1 | Mech 3122 | Charpy CVN, 30-250J, Room Temperature, steel | IS1757, ISO148-1, ASTM E23 | \$275 |
| 2 | Mech 3222 | Charpy CVN, 30-250J, at minus 20C, steel | IS1757, ISO148-1, ASTM E23 | \$275 |

| C. Bend; side bend, flattening and flaring | | | | |
|--|-----------|--|---|-------------|
| Sr. No | Scheme no | Description | Qualitative method | PT fee, USD |
| 1 | Mech 4122 | Weld Side bend - SA516 SMAW E7018- 2specimens | ASME Section IX or ISO 5173, or any validated method | \$300 |
| 2 | Mech 4223 | Bend, steel plate or steel bar | IS 1599, ASTM A370, ASTM E290 or any validated method | \$200 |
| 3 | Mech 4323 | Flattening test, seamless, stainless steel or carbon steel | IS 2328, ASTM A370 | \$200 |
| 4 | Mech 4423 | Flattening test, pipe carbon steel or stainless steel ERW | IS 2328, ASTM A370 | \$200 |
| 5 | Mech 4523 | Flaring test; tube copper or steel | IS 2330, ASTM A370, B 153 | \$200 |

ONGOING PT PROGRAM: October/November- 2023

| D. Tensile Test; steel, cold deformed bar, nonferrous and weld | | | | |
|--|------------|--|--------------------------------|-------------|
| Sr. No | Scheme no | Description | Quantitative method | PT fee, USD |
| 1 | Mech 5222 | Tensile test, aluminum round UTS 250-450MPa-2 PCS | ASTM E8 | \$275 |
| 2 | Mech 5422 | Transverse weld tensile test -2 specimens, SA516 SMAW E7018, UTS 450-750MPa-2 PCS | ASME Section IX or ISO 4136 | \$350 |
| 3 | Mech 5523 | Tensile test, round stainless steel UTS 250- 750MPa-2 PCS | IS1608, ISO 6892-1 | \$275 |
| 4 | Mech 5723 | Tensile test, round stainless steel UTS 250- 750MPa-2 PCS | ASTM A370, ASTM E8 | \$275 |
| 5 | Mech 5923 | Tensile test, round Carbon Steel, UTS 250- 600MPa, -2 PCS | ASTM A370, ASTM E8 | \$275 |
| 6 | Mech 51023 | Tensile test, round Carbon Steel, UTS 250- 600MPa, -2 PCS | IS1608, ISO 6892-1 | \$275 |
| 7 | Mech 51123 | Tensile test, round Alloy Steel, UTS 250- 600MPa, AISI 4140 -2 PCS | ASTM A370, ASTM E8 | \$275 |
| 8 | Mech 51223 | Tensile test, round Alloy Steel, UTS 250- 600MPa, AISI 4140 -2 PCS | IS1608, ISO 6892-1 | \$275 |

| E. Hardness; Brinell, Rockwell Scale B & C | | | | |
|--|-----------|---|-----------------------------|-------------|
| Sr. No | Scheme no | Description | Quantitative method | PT fee, USD |
| 1 | Mech 6123 | HBW 10/3000, steel, 150-300 HBW | IS1500, ISO6506-1, ASTM E10 | \$250 |
| 2 | Mech 6523 | HBW 10/3000, steel, 300-500 HBW | IS1500, ISO6506-1, ASTM E10 | \$250 |
| 3 | Mech 6223 | HBW 2.5/187.5 steel, 150-300HBW | IS1500, ISO6506-1, ASTM E10 | \$225 |
| 4 | Mech 6623 | HBW 2.5/187.5 steel, 300-500 HBW | IS1500, ISO6506-1, ASTM E10 | \$225 |
| 5 | Mech 6323 | Steel Rockwell C 45-55, equivalent to ISO 6508-3 | IS1586, ISO6508-1, ASTM E18 | \$225 |
| 6 | Mech 6723 | Steel Rockwell C 60-65, equivalent to ISO 6508-3 | IS1586, ISO6508-1, ASTM E18 | \$225 |
| 7 | Mech 6423 | Steel Rockwell B 75-99, equivalent to ISO 6508-3 | IS1586, ISO6508-1, ASTM E18 | \$225 |

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| F. Hardness Vickers and micro-Vickers | | | | |
|---------------------------------------|------------|---|---|-------------|
| Sr. No | Scheme no | Description | Quantitative method | PT fee, USD |
| 1 | Mech 7123 | Steel Vickers Hardness HV5 150-450 HV, equivalent to ISO 6507-3 | IS1501, ISO6507-1, ASTM E92 | \$225 |
| 2 | Mech 7823 | Steel Vickers Hardness HV5 500-850 HV, equivalent to ISO 6507-3 | IS1501, ISO6507-1, ASTM E92 | \$225 |
| 3 | Mech 7223 | Steel Vickers Hardness HV10, 300-500 HV, equivalent to ISO 6507-3 | IS1501, ISO6507-1, ASTM E92 | \$225 |
| 4 | Mech 7923 | Steel Vickers Hardness HV10, 550-850 HV, equivalent to ISO 6507-3 | IS1501, ISO6507-1, ASTM E92 | \$225 |
| 5 | Mech 7323 | Steel Vickers Hardness HV 30, 250-500 HV, equivalent to ISO 6507-3 | IS1501, ISO6507-1, ASTM E92 | \$225 |
| 6 | Mech 71023 | Steel Vickers Hardness HV 30, 550-850 HV, equivalent to ISO 6507-3 | IS1501, ISO6507-1, ASTM E92 | \$225 |
| 7 | Mech 7423 | Steel Vickers Hardness HV1 150-850 HV, equivalent to ISO 6507-3 | IS1501, ISO6507-1, ASTM E92, ASTM E384 | \$225 |
| 8 | Mech 7523 | Steel Vickers Hardness HV0.5, 150-850 HV, equivalent to ISO 6507-3 | IS1501, ISO6507-1, ASTM E92, ASTM E384 | \$225 |
| 9 | Mech 7623 | Steel Vickers Hardness HV0.2, 150-850 HV, equivalent to ISO 6507-3 | IS1501, ISO6507-1, ASTM E384 | \$225 |
| 10 | Mech 7722 | Weld Vickers Hardness HV10, 150-250 HV-Conventional | IS 1501, ISO 9015, ASME Section IX | \$225 |
| G. Metallography | | | | |
| Sr. No | Scheme no | Description | Quantitative / Qualitative method | PT fee, USD |
| 1 | Met 8123 | Depth of decarburization | IS6396, ASTM E1077, ISO 3887 | \$275 |
| 2 | Met 8322 | Inclusion rating, low alloy steel | ASTM E45, Worst Field Method A | \$275 |
| 3 | Met 8422 | Microstructure, spheroidal graphite iron (SG) | IS7754 or ASTM A247 or ISO 945 | \$275 |
| 4 | Met 81922 | Microstructure; ferrous ,Carbon steel | Any validated method | \$275 |

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|---|-----------|---|---------------------------------|-------|
| 5 | Met 8622 | Detecting detrimental Intermetallic phase in Duplex Stainless steel | ASTM A923 Method A or ISO 17781 | \$275 |
| 6 | Met 8723 | Classification of etched structure | ASTM A262, Practice A | \$275 |
| 7 | Met 81022 | Coating thickness on steel, Cr, | ISO 1463, ASTM B487, ISO 2178 | \$275 |

ONGOING PT PROGRAM: October/November- 2023

| G. Metallography | | | | |
|------------------|-----------|--|---|-------------|
| Sr. No | Scheme no | Description | Quantitative / Qualitative method | PT fee, USD |
| 8 | Met 81122 | Percentage of delta ferrite | ASTM E562 or ISO 9042 or ASTM A 800 or any validated method | \$275 |
| 9 | Met 81422 | Grain size, carbon steel | IS 4748, ASTM E112, ISO 643 or any validated method | \$275 |
| 10 | Met 81523 | Grain size, stainless steel | IS 4748, ASTM E112, ISO 643 or any validated method | \$275 |
| 11 | Met 81622 | Macro structure; weld | ISO 15614 or ISO 17639 or ASME Section IX | \$275 |
| 12 | Met 81723 | Case depth, microscopic method | IS6416, SAE, DIN, or any validated method | \$300 |
| 13 | Met 81823 | Macrostructure of pipe or steel bar or forging | IS 13015, ASTM E340, ASTM E381 or any validated method | \$300 |
| 14 | Met 82023 | Case depth, micro hardness method | IS6416, SAE, DIN, or any validated method | \$300 |

| H. Corrosion, Inter granular corrosion (IGC) and Pitting | | | | |
|--|------------|---|--|-------------|
| Sr. No | Scheme no | Description | Quantitative method / Qualitative method | PT fee, USD |
| 1 | Corr. 9122 | Weight loss, IGC Practice C, stainless steel | ASTM A 262 IGC Practice C | \$325 |
| 2 | Corr. 9222 | Weight loss, IGC Practice B, stainless steel | ASTM A 262, IGC Practice B | \$275 |
| 3 | Corr. 9322 | IGC Practice E ,15hrs boiling, IT bend, stainless steel | ASTM A 262 Practice E | \$275 |
| 4 | Corr. 9623 | Pitting and weight loss, duplex stainless steel | ASTM G48 Method A | \$275 |
| 5 | Corr. 9723 | Pitting and weight loss, nickel alloys | ASTM G28 Method A | \$350 |
| 6 | Corr. 9823 | Classification of etch structure, IGC Pr. A, stainless steel | ASTM A 262 IGC Practice A | \$275 |
| 7 | Corr. 9922 | Detecting Detrimental inter-metallic compound in duplex stainless steel | ASTM A923 Method C | \$275 |

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ONGOING PT PROGRAM: October/November- 2023

| I. Salt Spray Test | | | | |
|--------------------|-----------|--|--|-------------|
| Sr. No | Scheme no | Description | Quantitative method / Qualitative method | PT fee, USD |
| 1 | SST 10123 | Up to 72hrs exposure; surface observations and weight loss | Galvanized Washer IS 9844, ASTM B117 or ISO 9227 | \$275 |
| 2 | SST 10222 | Mass of zinc coating | IS 6745 | \$250 |
| 3 | SST 10322 | Thickness of zinc coating, electroplating or hot dip coating | IS 1573, IS 4826 or any validated method | \$250 |

❖ PACKING AND FORWARDING DETAILS

PACKING AND FORWARDING DETAILS - Foreign

| Quantity discount | Discount | Packing and forwarding | Charges, USD |
|---|----------|-----------------------------------|--------------|
| Single order with 3 to 6 PT program | 5% | Single PT item | \$75 |
| Single order with 7 to 10 PT program | 10% | Two PT tensile sample | \$125 |
| Single order with 11 or more PT program | 20% | 3 PT samples in same distribution | \$150 |

PT program schedule: October/November- 2023

| Last date for registration | Sample delivery date | Program start date | Test result submission date | PT Report submission date |
|----------------------------|----------------------|--------------------|-----------------------------|---------------------------|
| 06.10.2023 | 08.10.2023 | 15.10.2023 | 29.10.2023 | 10.11.2023 |

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❖ BANK DETAILS

Details of Account (for NEFT/DD/Online/Cheque):

| | |
|-----------------|--|
| Name: | Deep Metallurgical Services |
| Bank Name: | ICICI BANK LTD, INDIA |
| Branch Address: | Main Road, Plot No. 39, Road No. 23, Wagle Industrial Estate, Thane - 400604, Maharashtra, INDIA |
| Account No: | 188705001844 |
| IFSC No: | ICIC0001887 |
| SWIFT Code: | ICICINBBCTS |
| Pan No: | AAEFD6053A |
| GSTIN: | 27AAEFD6053A1ZW |
| GST Category: | Technical Testing & Analysis Services |

*** For any query, please call us at 8928368028,9892216539, 8850348047, 8451819733 or email us at mech@deep-ptp.in; deep.ptp2018@gmail.com ;ptp@deepmetlab.co.in; crm@deepmetlab.co.in

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