

## Item/ Spares for Steel Melting Shop

| Sl# | Plant | Items under Categories as under     | Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Required Annual Quantity | Rate / Value converted to INR |
|-----|-------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 1   | SSP   | Item/ Spares for Steel Melting Shop | Casting Powder for mould-AISI 200 (granulated)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 76.8 MT                  | 69,12,000.00                  |
| 2   | SSP   | Item/ Spares for Steel Melting Shop | Casting Powder for mould-AISI 300 (granulated)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9.6 MT                   | 13,44,000.00                  |
| 3   | SSP   | Item/ Spares for Steel Melting Shop | Iron Powder for Torch cutting machine to cut SS slabs                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 96 MT                    | 57,60,000.00                  |
| 4   | SSP   | Item/ Spares for Steel Melting Shop | Wire for marking M/c; Copper Aluminium alloy (CuAl8 as per DIN 1733)                                                                                                                                                                                                                                                                                                                                                                                                                                            | 172.8 Kg                 | 6,05,000.00                   |
| 5   | SSP   | Item/ Spares for Steel Melting Shop | Starting Powder for mould (granulated)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4.8 MT                   | 6,48,000.00                   |
| 6   | SSP   | Item/ Spares for Steel Melting Shop | Casting Powder for mould-AISI 400 (granulated)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 28.8 MT                  | 23,04,000.00                  |
| 7   | SSP   | Item/ Spares for Steel Melting Shop | Swivel joint DN40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                        | 41,838.00                     |
| 8   | SSP   | Item/ Spares for Steel Melting Shop | Swivel joint DN200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                        | 87,123.99                     |
| 9   | SSP   | Item/ Spares for Steel Melting Shop | Swivel joint DN250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                        | 2,58,946.70                   |
| 10  | SSP   | Item/ Spares for Steel Melting Shop | Rotary Union MONO 3/4" BSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 30                       | 3,16,800.00                   |
| 11  | SSP   | Item/ Spares for Steel Melting Shop | Rotary Union Dual 3/4" BSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6                        | 11,141.40                     |
| 12  | SSP   | Item/ Spares for Steel Melting Shop | Lance Tip for AOD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                        | 4,46,215.00                   |
| 13  | SSP   | Item/ Spares for Steel Melting Shop | Cutting Nozzle - TCM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 30                       | 2,82,750.00                   |
| 14  | SSP   | Item/ Spares for Steel Melting Shop | Copper plate- Narrow face                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                        | 4,43,459.40                   |
| 15  | SSP   | Item/ Spares for Steel Melting Shop | Copper plate- Broad face                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                        | 21,54,000.00                  |
| 16  | ISP   | Item/ Spares for Steel Melting Shop | HIGH QUALITY CALCINED QUICK LIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12000 MT                 | 8,000.00                      |
| 17  | ISP   | Item/ Spares for Steel Melting Shop | Manganese Metal Flakes (MN 99.70%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 400 -500 MT              | 1,30,000.00                   |
| 18  | ISP   | Item/ Spares for Steel Melting Shop | <p>20410001001156<br/>                     LANCE NOZZLE ASSEMBLY :<br/>                     ASSEMBLY CONSISTING OF (1)COPPER NOZZLE, (2)OUTER TUBE, (3)INTERMEDIATE TUBE, (4)INNER TUBE, (5)SLIDING TUBE FOR OXYGEN, (6)SLIDING TUBE FOR WATER AND (7)O-RING SEAL, ALL AS PER ISP DRAWING NO, MATERIAL SPECIFICATION AS PER DRAWING, LANCE NOZZLE HEAD MUST WITHSTAND TEST PRESSURE OF 24 BAR FOR 30 MIN DURATION, MODIFIED OXYGEN LANCE NOZZLE HEAD ASSEMBLY FOR BOF CONVERTER</p> <p>DRAWING NO :MOD-1782</p> | 75 Nos.                  | 1,17,200.00                   |

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| 19  | ISP   | Item/ Spares for Steel Melting Shop | 20410001001344 AIR<br>PRESSURE MOTOR UNIT,DMO15/15FZ1.5MP :<br>FOR PRIMARY GEAR UNIT OF BOF CONVERTER TILT DRIVE, SPEED<br>AT NOMINAL PRESSURE: 1500 RPM, CON TINUOUS OPERATING<br>PRESSURE: 6 BAR, MAXIMUM OPERATING PRESSURE: 8 BAR,<br>NOMINAL POWER RATING: 16.5 KW                                                              | 2 Nos.                   | 9,82,021.00                   |
| 20  | ISP   | Item/ Spares for Steel Melting Shop | Absolute Encoder for Ladle Turret ID No.MS-10020205/<br>CE58M*4096/4096 PB 85ZB10FL, Art.No:5802-00111                                                                                                                                                                                                                               | 5                        | 89,527.00                     |
| 21  | ISP   | Item/ Spares for Steel Melting Shop | Absolute Encoder for Tundish Car ID No.MS-<br>10020204/CES58M*8192/4096 PB DMS 12H7 KRF, Art.No:CES58M-<br>00044                                                                                                                                                                                                                     | 4                        | 43,820.00                     |
| 22  | ISP   | Item/ Spares for Steel Melting Shop | Part No.52IS142, Linear Motor for torch movement, Motor:0.18kw-<br>4poles A.C., Tension:400V (50Hz), IP55, Isolation deg.:F,<br>Manufacturing shape:IEC63B14, Force:2400N max.,<br>Speed:3,4mm/sec, Stroke:120mm, Absorption:Inom=0.66A,<br>Isp=0.86A.                                                                               | 4                        | 3,92,350.00                   |
| 23  | ISP   | Item/ Spares for Steel Melting Shop | Part No.52is170, Linear Motor For Torch Movement, Motor:0.18kw-<br>4poles A.C., Tension:230-400v (50hz), Ip55, Isolation Deg.:F,<br>Manufacturing Shape:iec63b14, Force:2400nmax,<br>Speed:3,4mm/Sec, Stroke:200mm, Absorptiion:Inom=0.66a,<br>Isp=0.86a.                                                                            | 4                        | 5,50,582.00                   |
| 24  | ISP   | Item/ Spares for Steel Melting Shop | Part No.ASA12035DXX, Linear Motor for torch movement, Max.<br>stroke(C):120mm, Max. Linear speed:3.5mm/s 1400rpm, Gear ratio-<br>34:1, Working temp.: -20degC to +70degC, Safety clutch:2000N,<br>Electrical feeding:230/400±10%V (50±1%Hz), Power<br>consumption:0.18kW(50Hz), IP55, Isolation deg:H, Installed L/S:2<br>(NC type). | 4                        | 3,54,769.00                   |

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| 25  | ISP   | Item/ Spares for Steel Melting Shop | AC SCIM, Geared Motor with Brake, 4.5KW, 3Ph,415V(±10%),50Hz(+3/-6%), IMV1-II/A, 970rpm, Current:9.1A, Trq.(Nm.):43Nm, Duty:S3-60% CDF, Insl.Cl:H, Temp.rise Cl.:F, Amb.Temp.:100°C, IP 65, TEFC, IC411, pf:0.78, VFD Compatible, T.Box:TB 322, Viton seals, CORO 2, Thermistor:3Nos., Cooling fan:Metallic, Motor Dim.:As per ISP Drg.No.MOD-1440, T.S. of Motor & Brake shall be as per Annexure.              | 5                        | 1,84,930.00                   |
| 26  | ISP   | Item/ Spares for Steel Melting Shop | Ac Scim, Geared Motor With Brake & Encoder, 4.5kw, 3ph,415v(±10%),50hz(+3/-6%), Imv1-li/A, 970rpm, Current:9.1a, Trq.:43nm, Duty:S3-60%Cdf, Insl.Cl:H, Temp.Rise Cl.:F, Amb.Temp.:100°C, Ip 65, Tefc, Ic411, Pf:0.78, Vfd Compatible, T.Box:Tb 322, Viton Seals, Coro 2, Thermistor:3nos., Cooling Fan:Metallic, Motor Dim.:As Per Isp Drg.No.Mod-1439, T.S. Of Motor, Brake & Encoder Shall Be As Per Annexure. | 5                        | 3,22,050.00                   |
| 27  | ISP   | Item/ Spares for Steel Melting Shop | Ac Scim, Geared Motor, 4.5kw, 3ph, 415v(±10%), 50hz(+3/-6%), Im V1-li/A, 970rpm, Current:9.1a, Trq.(Nm.):43nm, Duty:S3-60% Cdf, Insl.Cl:H, Temp.Rise Cl.:F, Amb. Temp.:100°C, Ip 65, Tefc, Ic 411, Pf:0.78, Vfd Compatible, T.Box:Tb 322, Viton Seals.Coro 2, Thermistor:3 Nos., Dimension:As Per Isp Drawing No. Mod-1441, Technical Details Of Motor Shall Be As Per Annexure.                                 | 5                        | 1,52,645.00                   |
| 28  | ISP   | Item/ Spares for Steel Melting Shop | FRICITION SPRING TYPE 05500 FIXED STOP                                                                                                                                                                                                                                                                                                                                                                           | 20                       | 71,610.00                     |
| 29  | ISP   | Item/ Spares for Steel Melting Shop | FRICITION SPRING,C.2I80.CK.36911-M3006                                                                                                                                                                                                                                                                                                                                                                           | 12                       | 1,50,670.00                   |
| 30  | ISP   | Item/ Spares for Steel Melting Shop | FRICITION SPRING,C2I80CV341M3025                                                                                                                                                                                                                                                                                                                                                                                 | 10                       | 77,550.00                     |
| 31  | ISP   | Item/ Spares for Steel Melting Shop | FRICITION SPRING,PRIMETALS,07000                                                                                                                                                                                                                                                                                                                                                                                 | 10                       | 77,500.00                     |
| 32  | ISP   | Item/ Spares for Steel Melting Shop | LINEAR BALL BUSHING Ø80XØ120X165 MM                                                                                                                                                                                                                                                                                                                                                                              | 40                       | 25,050.00                     |
| 33  | ISP   | Item/ Spares for Steel Melting Shop | BEARING,RLR,SKF,NCF3015VC4S3                                                                                                                                                                                                                                                                                                                                                                                     | 300                      | 7,000.00                      |
| 34  | ISP   | Item/ Spares for Steel Melting Shop | BEARING,RLR,SKF,C5915 V C4 S3                                                                                                                                                                                                                                                                                                                                                                                    | 300                      | 11,500.00                     |
| 35  | ISP   | Item/ Spares for Steel Melting Shop | BEARING,RLR,SKF,24015CC/C4S3/W33                                                                                                                                                                                                                                                                                                                                                                                 | 300                      | 7,720.00                      |
| 36  | ISP   | Item/ Spares for Steel Melting Shop | BEARING,RLR,SKF,BS22218-2CS2/C4GEM9                                                                                                                                                                                                                                                                                                                                                                              | 100                      | 9,650.00                      |
| 37  | ISP   | Item/ Spares for Steel Melting Shop | BEARING,RLR,SKF,BS22220-2CS5/C4GEM9                                                                                                                                                                                                                                                                                                                                                                              | 60                       | 14,000.00                     |
| 38  | ISP   | Item/ Spares for Steel Melting Shop | ROTARY UNION,C.2I80.CK1.334-M8002/ZSZ001                                                                                                                                                                                                                                                                                                                                                                         | 120                      | 12,000.00                     |
| 39  | ISP   | Item/ Spares for Steel Melting Shop | SERVICE KIT,C.2I80.CK1.334-M8002/ZSZ001                                                                                                                                                                                                                                                                                                                                                                          | 120                      | 5,750.00                      |

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|-----|-------|--------------------------------------|---------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 40  | ISP   | Item/ Spares for Steel Melting Shop  | ROTARY UNION DUO FLOW G3/4 C.2I80.CK.271B-M6750/MSB001                          | 60                       | 25,200.00                     |
| 41  | ISP   | Item/ Spares for Steel Melting Shop  | SERVICE KIT ROTARY UNION DUO FLOW G3/4 C.2I80.CK.271B-M6750/MSB001              | 60                       | 4,800.00                      |
| 42  | ISP   | Item/ Spares for Steel Melting Shop  | ROTARY UNION 2412-115                                                           | 120                      | 16,400.00                     |
| 43  | ISP   | Item/ Spares for Steel Melting Shop  | SERVICE KIT ROTARY UNION 2412-115                                               | 120                      | 6,200.00                      |
| 44  | ISP   | Item/ Spares for Steel Melting Shop  | ROTARY UNION MONO M40/2A                                                        | 40                       | 25,600.00                     |
| 45  | ISP   | Item/ Spares for Steel Melting Shop  | SERVICE KIT ROTARY UNION MONO M40/2A                                            | 40                       | 9,000.00                      |
| 46  | BSL   | LADLE FURNACE                        | WATER COOLED CABLE                                                              | 4                        | 4,70,000.00                   |
| 47  | BSL   | TRANSFER CARS                        | COMPOSITE CABLE                                                                 | 300m+300m                | 97,00,000.00                  |
| 48  | BSL   | CASTER ROLLER TABLE                  | GEARED MOTORS                                                                   | 6                        | 50,00,000.00                  |
| 49  | BSL   | PRIMARY & SECONDARY DEDUSTING SYSTEM | MOTORS MV                                                                       | 1+1                      | 2,81,00,000.00                |
| 50  | BSL   | LANCE                                | LANCE TIP                                                                       | 10                       | 26,00,000.00                  |
| 51  | BSL   | CASTER                               | UNIVERSAL JOINT ASSEMBLY WITH BELLOWS                                           | 8                        | 47,00,000.00                  |
| 52  | BSL   | DEBRICKING MACHINE                   | DEBRICKING MACHINE                                                              | 1                        | 4,00,00,000.00                |
| 53  | BSL   | EOT CRANE                            | BARREL COUPLINGS OF DIFFERENT SIZES : ccc-50, cc-35, ccc-25, ccc-18, ccc-14 ETC | 16 NOS OF TOTAL 5 TYPES  | 29,44,000.00                  |
| 54  | BSL   | EOT CRANE                            | HYDRAULIC BUFFERS OF DIFFERENT SIZES                                            | 20 NOS OF 4 TYPES        | 7,36,000.00                   |
| 55  | BSL   | NA                                   | Manganese metal (10110700080004)                                                | 600MT                    | 9,53,85,600.00                |
| 56  | BSL   | NA                                   | Nickel (70610800120045)                                                         | 400MT                    | 59,43,64,160.00               |
| 57  | BSL   | NA                                   | Ferro Niobium (10210400080006)                                                  | 220MT                    | 46,30,75,008.00               |
| 58  | BSL   | Slab Marking Machine                 | MARKING POWDER,AL2O3 BASED                                                      | 800 KG                   | 11,77,600.00                  |
| 59  | BSL   | SRU                                  | CONTACT BLOCK                                                                   | 3                        | 7,36,000.00                   |
| 60  | BSL   | SRU                                  | ELECTRODE ARM ASSLY                                                             | 1                        | 2,20,80,000.00                |
| 61  | BSL   | MOULD OSCILLATION MECHANISM          | COMPENSATOR ( 3 types)                                                          | 12+24-36                 | 11,04,000.00                  |
| 62  | BSL   | SEGMENT                              | COOPER BEARINGS (4 TYPES)                                                       | 50 EACH                  | 1,84,00,000.00                |
| 63  | BSL   | SEGMENT                              | CYLINDER                                                                        | 5                        | 36,80,000.00                  |
| 64  | BSL   | SEGMENT                              | BOW SEGMENT ASSY                                                                | 2                        | 6,62,40,000.00                |
| 65  | BSL   | SEGMENT                              | SEGMENT HORIZONTAL                                                              | 2                        | 7,36,00,000.00                |
| 66  | BSL   | CASTER                               | SLAB MARKER MACHINE                                                             | 2                        | 7,36,00,000.00                |
| 67  | BSL   | LADLE FURNACE-1 (LF-1)               | HIGH CURRENT CABLE LF-1                                                         | 6                        | 5,86,040.00                   |
| 68  | BSL   | LADLE FURNACE-1 (LF-2)               | HIGH CURRENT CABLE LF-2                                                         | 6                        | 6,20,272.00                   |
| 69  | BSP   | Item/ Spares for Steel Melting Shop  | LANCE TIP,FIVE HOLE                                                             | 60                       | 1,40,258.79                   |
| 70  | BSP   | Item/ Spares for Steel Melting Shop  | DAMPER ASY,CONV-17-004 FOR ID FAN OF GCP                                        | 1                        | 18,29,510.00                  |
| 71  | BSP   | Item/ Spares for Steel Melting Shop  | COUPLING,BARREL,CONV-17-018 FOR H.R.DRUM                                        | 2                        | 3,07,755.73                   |

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|-----|-------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 72  | BSP   | Item/ Spares for Steel Melting Shop | PNEU CYLINDER(AIR BELLOW),330MM STROKE                                                                             | 8                        | 40,000.00                     |
| 73  | BSP   | Item/ Spares for Steel Melting Shop | BARREL COUPLING IN PILOT BORE                                                                                      | 2                        | 6,56,658.00                   |
| 74  | BSP   | Item/ Spares for Steel Melting Shop | ROTATING UNION,MODEL:2425-001-177-180                                                                              | 100                      | 22,052.00                     |
| 75  | BSP   | Item/ Spares for Steel Melting Shop | TORCH,CUTTING,DWN:554/10.00 REV.2,POS.22                                                                           | 10                       | 64,331.85                     |
| 76  | BSP   | Item/ Spares for Steel Melting Shop | BURNER,CO-GAS/OXYGEN,DWN:A-06-0121                                                                                 | 1                        | 85,89,206.00                  |
| 77  | BSP   | Item/ Spares for Steel Melting Shop | PLATE,CR,CU,1005X2140X85MM                                                                                         | 24570                    | 741.00                        |
| 78  | BSP   | Item/ Spares for Steel Melting Shop | PLATE,CR,CU,1005X275X85MM                                                                                          | 2730                     | 952.00                        |
| 79  | BSP   | Item/ Spares for Steel Melting Shop | PLATE,CU,1005X1665X85MM                                                                                            | 21658                    | 741.00                        |
| 80  | BSP   | Item/ Spares for Steel Melting Shop | TUBE,COPPER,MOULD, 300X340, CCS-13-193R3                                                                           | 30                       | 3,84,767.00                   |
| 81  | BSP   | Item/ Spares for Steel Melting Shop | CASTING POWDER FOR SLAB CASTER                                                                                     | 725.4                    | 41,856.60                     |
| 82  | BSP   | Item/ Spares for Steel Melting Shop | CASTING POWDER FOR BLOOM CASTER,                                                                                   | 432                      | 43,394.07                     |
| 83  | BSP   | Item/ Spares for Steel Melting Shop | STARTER,CASTING POWDER ,SLAB CASTER                                                                                | 14                       | 1,14,792.74                   |
| 84  | BSP   | Item/ Spares for Steel Melting Shop | CASTING POWDER                                                                                                     | 202.25                   | 82,927.65                     |
| 85  | BSP   | Item/ Spares for Steel Melting Shop | MOULD TUBE 150x150, DRG.NO. SMS3-18-110                                                                            | 72                       | 2,43,750.40                   |
| 86  | BSP   | Item/ Spares for Steel Melting Shop | PLATE,COPPER,FIXED SIDE,ASLY,SMS3-18-134                                                                           | 60                       | 1,46,861.20                   |
| 87  | BSP   | Item/ Spares for Steel Melting Shop | PLATE,COPPER,LOOSE SIDE,ASLY,SMS3-18-138                                                                           | 60                       | 1,44,285.70                   |
| 88  | BSP   | Item/ Spares for Steel Melting Shop | PLATE,COPPER,LEFT,SIDE ASLY,SMS3-18-136                                                                            | 60                       | 1,48,541.40                   |
| 89  | BSP   | Item/ Spares for Steel Melting Shop | PLATE,COPPER,RIGHT,SIDE ASLY,SMS3-18-140                                                                           | 60                       | 1,48,552.40                   |
| 90  | BSP   | Item/ Spares for Steel Melting Shop | MOULD TUBE 105x105, DRG.NO. SMS3-18-109                                                                            | 72                       | 1,99,512.04                   |
| 91  | BSP   | Item/ Spares for Steel Melting Shop | LANCE TIP,DWN: SMS3-19-016                                                                                         | 30                       | 1,74,860.51                   |
| 92  | DSP   | Item/ Spares for Steel Melting Shop | GCP Skirt - COMPENSATOR,LATERAL,PN:330 51 31 6 MD717 FOR SKIRT                                                     | 8                        | 4,97,000.00                   |
| 93  | DSP   | Item/ Spares for Steel Melting Shop | LANCE,TIP 5 HOLE                                                                                                   | 100 / year               | 59,657.40                     |
| 94  | DSP   | Item/ Spares for Steel Melting Shop | COMPENSATOR,REIFLEXA-RUBBER,DN150,PN-16                                                                            | 10                       | 39,918.58                     |
| 95  | DSP   | Item/ Spares for Steel Melting Shop | Mould of Billet Casters - MOULD TUBE FOR SECTION SIZE:125X125<br>DRAWING NO : 3.39.71.30W/73432 REV A              | 300 Nos                  | 1,09,990.09                   |
| 96  | DSP   | Item/ Spares for Steel Melting Shop | Mould of Bloom Casters - MOULD TUBE,QUADRUPE<br>TAPER,DWN:438.01.07.W/75704 FOR SECTION,160X230                    | 55                       | 3,67,446.35                   |
| 97  | DSP   | Item/ Spares for Steel Melting Shop | Mould of Bloom Casters - MOULD TUBE,QUADRUPLE TAPER,<br>438.01.07.W/75703<br>SECTION,160X210                       | 30                       | 3,23,547.15                   |
| 98  | DSP   | Item/ Spares for Steel Melting Shop | Mould of Bloom Casters - MOULD,TUBE,QUADRUPE TAPER,<br>AS PER DSP DRAWING No.4.38.01.07.W/75712<br>SECTION:150X300 | 15                       | 3,04,921.89                   |

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| 99  | DSP   | Item/ Spares for Steel Melting Shop | Mould of Bloom Casters - MOULD TUBE,QUADRUPE TAPER,DWN:5.037266.V<br><br>SECTION:150X350,RADIUS                                                                                                                                                                 | 15                       | 3,68,210.86                                                      |
| 100 | DSP   | Item/ Spares for Steel Melting Shop | Bloom Caster - OXY CUTTING TORCH FOR GAS CUTTING MACHINE OF DSP BLOOM CASTER. 5 Items                                                                                                                                                                           | 30, 12, 18, 10, 4        | 230961.37;<br>78513.90;<br>401599.54;<br>576096.86;<br>379353.40 |
| 101 | DSP   | Item/ Spares for Steel Melting Shop | Mould of Bloom-cum_Round Caster -OXY CUTTING TORCH F/BRC FOR GAS CUTTING MACHINE OF DSP BLOOM CUM ROUND CASTER. 5 Items                                                                                                                                         | 25,25,20,60,60           | 64621.00;<br>25028.00;<br>64542.00;<br>8630.00;<br>7336.00       |
| 102 | DSP   | Item/ Spares for Steel Melting Shop | Marking M/c for Bloom & BRC - POWDER FOR BLOOM MARKING MACHINE & BRC MARKING MACHINE                                                                                                                                                                            | 1200 kg                  | 2,350.85                                                         |
| 103 | DSP   | Item/ Spares for Steel Melting Shop | For all the Casters - Lancing Torches - 2 items                                                                                                                                                                                                                 | 60 & 20                  | 31732.76;<br>31732.76                                            |
| 104 | DSP   | Item/ Spares for Steel Melting Shop | For all the Casters - Lancing torch parts - 3 items                                                                                                                                                                                                             | 22,10,37                 | 9702.00;<br>9702.00;<br>9163.00                                  |
| 105 | DSP   | Item/ Spares for Steel Melting Shop | Billet Withdraww - Cardan shafts and cross piece sub assy                                                                                                                                                                                                       | 7 sets                   | 45,000.00                                                        |
| 106 | DSP   | Item/ Spares for Steel Melting Shop | EOT crane main hoist - ID Fan Converter-1 -Drum Couplings (05 types)                                                                                                                                                                                            | 6 sets                   | 10,00,000.00                                                     |
| 107 | DSP   | Item/ Spares for Steel Melting Shop | Torch cutting machines - -Safety Valves,{ressure reducers and Direction control valves (14 types)                                                                                                                                                               | 12 sets                  | 3,00,000.00                                                      |
| 108 | DSP   | Item/ Spares for Steel Melting Shop | Turret - Bloom Caster & BRC -Hydraulic Rotary Union                                                                                                                                                                                                             | 01 no.                   | 20,00,000.00                                                     |
| 109 | DSP   | Item/ Spares for Steel Melting Shop | LINEAR MOTOR,N526086Y OF TORCH CUTTING,3-Ph,Frame:M63B4,IP-55,Class-H, S1 Duty, 0.187 Kw, 1360 rpm, 0.73Amp, Mounting: B14,                                                                                                                                     | 6                        | 4,14,544.00                                                      |
| 110 | DSP   | Item/ Spares for Steel Melting Shop | CODE NO- 0.250747.B, POSITION TRANSDUCER, TEMPOSONIC Sensor with accessories, Model: RH-M-0050M-D70-1-S2G1100 with 7-Pin Female connector(Part No: STC09131D07) and standard ring magnet(Part no.201542-2),RH:Hydraulic rod style.M:Flange M18x1.5 standard,005 | 6                        | 62,567.50                                                        |
| 111 | RSP   | SPARES FOR STEEL MELTING SHOP       | SHAFT,UNIVERSAL JOINT,DWN:01936960                                                                                                                                                                                                                              | 2 EA                     | 2,96,473.46                                                      |

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|-----|-------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 112 | RSP   | SPARES FOR STEEL MELTING SHOP   | ROTARY UNION,MONO FLOW,RSN:4.04.039                                                                                                                                                                                          | 150 EA                   | 11,287.75                     |
| 113 | RSP   | SPARES FOR STEEL MELTING SHOP   | ROTARY UNION,DUAL FLOW,RSN:4.04.038                                                                                                                                                                                          | 20 Nos EA                | 15,204.00                     |
| 114 | RSP   | SPARES FOR STEEL MELTING SHOP   | PLATE,COPPER,NARROW SIDE,DWN:PD/R-206021                                                                                                                                                                                     | 2 EA                     | 1,53,012.00                   |
| 115 | RSP   | SPARES FOR STEEL MELTING SHOP   | PLATE,COPPER,DWN:PD/R-163523                                                                                                                                                                                                 | 2 EA                     | 1,53,012.00                   |
| 116 | RSP   | SPARES FOR STEEL MELTING SHOP   | PLATE,COPPER,DWN:PD/R-163521                                                                                                                                                                                                 | 2 EA                     | 8,15,577.52                   |
| 117 | RSP   | SPARES FOR STEEL MELTING SHOP   | PLATE,COPPER,DWN:PD/R-163522                                                                                                                                                                                                 | 2 EA                     | 8,02,042.00                   |
| 118 | RSP   | SPARES FOR STEEL MELTING SHOP   | REPAIR KIT,PD/R-174591,F/ROTARY UNION FOR DUAL FLOW<br>ROTARY UNION FOR CASTER 1 AND 2.DRAWING NO : PD/R-174591                                                                                                              | 20 EA                    | 5,972.35                      |
| 119 | RSP   | SPARES FOR STEEL MELTING SHOP   | MTR,SC,415V,KBH125B4,240RPM,4.6KW                                                                                                                                                                                            | 2 EA                     | 3,04,009.45                   |
| 120 | RSP   | SPARES FOR STEEL MELTING SHOP   | MTR,GEAR,415V,1400RPM,3000KW                                                                                                                                                                                                 | 1 EA                     | 11,90,232.58                  |
| 121 | RSP   | SPARES FOR STEEL MELTING SHOP   | MTR,SE,200V,2000RPM,511W                                                                                                                                                                                                     | 2 EA                     | 5,37,210.09                   |
| 122 | RSP   | SPARES FOR STEEL MELTING SHOP   | MTR,SERVO,MM:1FT6086-8AC71-4TA6-Z                                                                                                                                                                                            | 2 EA                     | 2,77,320.70                   |
| 123 | RSP   | SPARES FOR STEEL MELTING SHOP   | LANCE TIP(6HOLE LANCE NOZZLE),F/CONV.3<br>LANCE TIP (6 HOLE LANCE NOZZLE) INCLUDING SLIDING TUBE FOR CONVERTER 3<br>MANUFACTURER : IMPACT GMBH<br>DRAWING NO : 105-505-00                                                    | 36 EA                    | 1,25,976.00                   |
| 124 | RSP   | SPARES FOR STEEL MELTING SHOP   | PRIMARY GEAR UNIT,MAT:10124112                                                                                                                                                                                               | 1 EA                     | 1,29,41,650.00                |
| 125 | RSP   | SPARES FOR STEEL MELTING SHOP   | AIR MOTOR,1500RPM,MM:DMO 15/15 FZ 1.5MP                                                                                                                                                                                      | 1 EA                     | 10,02,341.76                  |
| 126 | RSP   | SPARES FOR STEEL MELTING SHOP   | CENTRIFUGAL GOVERNOR,F/AIR MOTOR                                                                                                                                                                                             | 2 EA                     | 84,572.59                     |
| 127 | RSP   | SPARES FOR STEEL MELTING SHOP   | STEERING GEAR CASE MP,F/AIR MOTOR                                                                                                                                                                                            | 2 EA                     | 3,65,138.78                   |
| 128 | RSP   | SPARES FOR STEEL MELTING SHOP   | NARROW FACE ADJUSTMENT ASSY,PD/R-169202                                                                                                                                                                                      | 6 EA                     | 14,90,939.50                  |
| 129 | RSP   | SPARES FOR STEEL MELTING SHOP   | SHAFT,UNIVERSAL,DWN:PD/R-169497                                                                                                                                                                                              | 20 EA                    | 24,567.20                     |
| 130 | RSP   | SPARES FOR STEEL MELTING SHOP   | SHAFT,UNIVERSAL,DWN:PD/R-169498                                                                                                                                                                                              | 6 EA                     | 28,164.54                     |
| 131 | RSP   | SPARES FOR STEEL MELTING SHOP   | DIRT TRAP R3/4" TYP 74/AG,F/TCM-3,FRAMAG<br>DIRT TRAP R 3/4" TYP 74/AG FOR TCM-3 OF CASTER-3 AS PER IDENT NO-1401537. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT NO-1401537 | 2 EA                     | 1,854.82                      |

## Item/ Spares for Steel Melting Shop

| Sl# | Plant | Items under Categories as under | Item                                                                                                                                                                                                                                           | Required Annual Quantity | Rate / Value converted to INR |
|-----|-------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 132 | RSP   | SPARES FOR STEEL MELTING SHOP   | DIRT TRAP R 1" TYP:148 MWO,F/TCM-3<br>DIRT TRAP R 1" TYP 148 MWO FOR TCM-3 OF CASTER-3 AS PER IDENT NO-1401219. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>TYPE/MODEL : 148 MWO<br>REFERENCE NUMBER : IDENT NO-1401219 | 2 EA                     | 3,281.48                      |
| 133 | RSP   | SPARES FOR STEEL MELTING SHOP   | DIRT TRAP R 1" TYP:74/AG,F/TCM-3<br>DIRT TRAP R 1" TYP 74/AG FOR TCM-3 OF CASTER-3 AS PER IDENT NO-1401131.MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>TYPE/MODEL : 74/AG<br>REFERENCE NUMBER : IDENT NO-1401131        | 2 EA                     | 2,782.24                      |
| 134 | RSP   | SPARES FOR STEEL MELTING SHOP   | V-ROLL CPL,F/TCM-3,FHA001-32-020,FRAMAG<br>V-ROLL CPL FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG NO-FHA001-32-020.MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA001-32-020                 | 2 EA                     | 15,045.66                     |
| 135 | RSP   | SPARES FOR STEEL MELTING SHOP   | V ROLL WITH ECCENTER,ECC 1.5,F/TCM-3<br>V ROLL WITH ECCENTER ECC 1.5 FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG NO-FHA001-32-030. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA001-32-030 | 8 EA                     | 15,256.23                     |
| 136 | RSP   | SPARES FOR STEEL MELTING SHOP   | V-ROLL,F/TCM-3,FHA001-32-022,FRAMAG<br>V-ROLL FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG NO- FHA001-32-022.MAKE:FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA001-32-022                         | 8 EA                     | 6,841.97                      |

## Item/ Spares for Steel Melting Shop

| Sl# | Plant | Items under Categories as under | Item                                                                                                                                                                                                                                                                                                   | Required Annual Quantity | Rate / Value converted to INR |
|-----|-------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 137 | RSP   | SPARES FOR STEEL MELTING SHOP   | TORCH PRESTOCUT,C651B,F/TCM-3,FRAMAG<br>TORCH PRESTOCUT C651B FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG<br>NO-FHA731.30530. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA731.30530                                                               | 12 EA                    | 80,852.41                     |
| 138 | RSP   | SPARES FOR STEEL MELTING SHOP   | FLOW CONTROL INSTR NOVAFIX,FRAMAG<br>FLOWCONTROL INSTR NOVAFIX VD1/2"VD15R14-2 FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG NO-FHA0.583.438. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA0.583.438                                                 | 4 EA                     | 44,594.73                     |
| 139 | RSP   | SPARES FOR STEEL MELTING SHOP   | FLOW SWITCH,VD 2 ORI,F/TCM-3<br>FLOW SWITCH VD 2 ORI FOR TCM-3 OF CASTER-3 AS PER IDENT NO-1400350.MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT NO-1400350                                                                                              | 4 EA                     | 50,042.51                     |
| 140 | RSP   | SPARES FOR STEEL MELTING SHOP   | JET STABILIZER,11370-3/3X3/4(NPT3/4)<br>JET STABILIZER 11370-3/3X3/4(NPT3/4)BRASS FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG NO-FHA0.675.230. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>TYPE/MODEL : 11370-3/3X3/4(NPT3/4)BRASS<br>REFERENCE NUMBER : IDENT/DRG<br>O-FHA0.675.230 | 4 EA                     | 3,881.62                      |

## Item/ Spares for Steel Melting Shop

| Sl# | Plant | Items under Categories as under | Item                                                                                                                                                                                                                                                                            | Required Annual Quantity | Rate / Value converted to INR |
|-----|-------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 141 | RSP   | SPARES FOR STEEL MELTING SHOP   | VEEJET NOZZLE,H3/3U-15250(NPT3/4A9.5-15<br>VEEJET NOZZLE H3/3U-15250(NPT3/4A9.5-15BRAS FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG NO-FHA0.675.228. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA0.675.228                  | 12 EA                    | 3,912.33                      |
| 142 | RSP   | SPARES FOR STEEL MELTING SHOP   | PRESSURE REGULATOR,U13W6L S40,F/TCM-3<br>PRESSURE REGULATOR U13W6L S40 FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG NO-FHA509.96580. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>TYPE/MODEL : U13W6L S40<br>REFERENCE NUMBER : IDENT/DRG NO-FHA509.96580       | 4 EA                     | 35,836.53                     |
| 143 | RSP   | SPARES FOR STEEL MELTING SHOP   | PRESSURE REGULATOR,U11W6ES40/65,F/TCM-3<br>PRESSURE REGULATOR U11W6ES40/65 FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG NO-FHA509.96900. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>TYPE/MODEL : U11W6ES40/65<br>REFERENCE NUMBER : IDENT/DRG NO-FHA509.96900 | 4 EA                     | 32,956.02                     |
| 144 | RSP   | SPARES FOR STEEL MELTING SHOP   | FLASH BACK UNIT 1/2" O2 SINTEX,F/TCM-3<br>FLASH BACK UNIT 1/2" O2 SINTEX FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG NO-FHA0.346.605. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA0.346.605                                | 8 EA                     | 8,681.00                      |

## Item/ Spares for Steel Melting Shop

| Sl# | Plant | Items under Categories as under | Item                                                                                                                                                                                                                                                                                      | Required Annual Quantity | Rate / Value converted to INR |
|-----|-------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 145 | RSP   | SPARES FOR STEEL MELTING SHOP   | PRESSURE REGULATOR,UIIW6/J40/3,F/TCM-3<br>PRESSURE REGULATOR UIIW6/J40/3 FOR NE FOR TCM-3 OF CASTER-3 AS PER<br>IDENT/DRG NO-FHA512.96910. MAKE: FRAMAG<br>INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>TYPE/MODEL : UIIW6/J40/3<br>REFERENCE NUMBER : IDENT/DRG NO-FHA512.96910 | 4 EA                     | 32,956.02                     |
| 146 | RSP   | SPARES FOR STEEL MELTING SHOP   | FLASH BACK UNIT,1/2" GAS,F/TCM-3<br>FLASH BACK UNIT 1/2" GAS FOR TCM-3 OF CASTER-3 AS PER<br>IDENT/DRG NO-FHA0.346.609. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA0.346.609                                                   | 8 EA                     | 8,681.00                      |
| 147 | RSP   | SPARES FOR STEEL MELTING SHOP   | CUTTING NOZZLE,PB0400N-PM-06,F/TCM-3CUTTING NOZZLE<br>PB0400N-PM-06 FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG NO-FHA731.34791. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>TYPE/MODEL : PB0400N-PM-06<br>REFERENCE NUMBER : IDENT/DRG NO-FHA731.34791                 | 1 EA                     | 2,020.00                      |
| 148 | RSP   | SPARES FOR STEEL MELTING SHOP   | SAFETY DEVICE,G3/8LH,FRAMAG,F/TCM-3<br>SAFETY DEVICE G3/8 LH FOR TCM-3 OF CASTER-3 AS PER<br>IDENT/DRG NO-FHA718.27385. MAKE: FRAMAG<br>INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA718.27385                                                | 4 EA                     | 8,681.00                      |

## Item/ Spares for Steel Melting Shop

| Sl# | Plant | Items under Categories as under | Item                                                                                                                                                                                                                                                                | Required Annual Quantity | Rate / Value converted to INR |
|-----|-------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 149 | RSP   | SPARES FOR STEEL MELTING SHOP   | PRESSURE REGULATOR,UI3W6L S40/16,F/TCM-3<br>PRESSURE REGULATOR UI3W6L S40/16 FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG<br>NO-FHA509.96580. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA509.96580             | 4 EA                     | 35,958.48                     |
| 150 | RSP   | SPARES FOR STEEL MELTING SHOP   | PRESSURE REGULATOR,WITH GAUGE,F/TCM-3<br>PRESSURE REGULATOR WITH GAUGE D22-1 1/4 FOR TCM-3 OF CASTER-3 AS PER<br>IDENT NO-1401538. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>TYPE/MODEL : D22-1 1/4<br>REFERENCE NUMBER : IDENT NO-1401538 | 4 EA                     | 33,077.98                     |
| 151 | RSP   | SPARES FOR STEEL MELTING SHOP   | CAM ROLLER,W/O ECCENTER KR85PP,F/TCM-3<br>CAM ROLLER WITHOUT ECCENTERKR 85PP FOR TCM 3 OF CASTER-3 AS PER IDENT<br>NO-1548124. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT NO-1548124                               | 8 EA                     | 9,992.71                      |
| 152 | RSP   | SPARES FOR STEEL MELTING SHOP   | CAM ROLLER,WITH ECCENTER KRE85PP,F/TCM-3<br>CAM ROLLER WITH ECCENTER KRE85PP FOR TCM 3 OF CASTER-3 AS PER IDENT NO- 1548123. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT NO-1548123                                 | 10 EA                    | 8,666.08                      |
| 153 | RSP   | SPARES FOR STEEL MELTING SHOP   | CLAMPING ASSLY,F/TCM-3,DWN:FHA001-35-000                                                                                                                                                                                                                            | 2 EA                     | 10,96,750.00                  |
| 154 | RSP   | SPARES FOR STEEL MELTING SHOP   | CARDON SHAFT,DWN:R.S-3.10.211,F/MOULD<br>WITH ONE END QUICK RELEASE COUPLING<br>FOR MOULD NARROW FACE OF CASTER-3.<br>DRAWING NO : R.S-3.10.211                                                                                                                     | 12 nos                   | 19,302.80                     |

## Item/ Spares for Steel Melting Shop

| Sl# | Plant | Items under Categories as under | Item                                                                                                                                                                                                                                                                 | Required Annual Quantity | Rate / Value converted to INR |
|-----|-------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 155 | RSP   | SPARES FOR STEEL MELTING SHOP   | REPAIR KIT,MM:2420-003C FOR ROTARY UNION<br>2400 SERIES<br>MANUFACTURER : DEUBLIN                                                                                                                                                                                    | 100 EA                   | 6,018.85                      |
| 156 | RSP   | SPARES FOR STEEL MELTING SHOP   | ROTARY UNION, MONOFLOW                                                                                                                                                                                                                                               | 250 EA                   | 2,155.23                      |
| 157 | RSP   | SPARES FOR STEEL MELTING SHOP   | JOINT,ROTARY,DOUBLE,DWN:PD/R-174591<br>DRAWING NO : PD/R-174591                                                                                                                                                                                                      | 50 EA                    | 2,727.45                      |
| 158 | RSP   | SPARES FOR STEEL MELTING SHOP   | SHAFT,CARDAN,DWN:PD/R-174797                                                                                                                                                                                                                                         | 6 EA                     | 1,86,671.09                   |
| 159 | RSP   | SPARES FOR STEEL MELTING SHOP   | CARDAN SHAFT,SIZE:250 DIA X 2200MM LONG                                                                                                                                                                                                                              | 2 EA                     | 2,33,852.00                   |
| 160 | RSP   | SPARES FOR STEEL MELTING SHOP   | CARDAN SHAFT,SIZE:225 DIA X 2200MM LONGFOR SEGMENT-3<br>DRIVE UNITS OF CASTER-3<br>DRAWING NO : PD/R-230079                                                                                                                                                          | 12 EA                    | 1,73,760.00                   |
| 161 | RSP   | SPARES FOR STEEL MELTING SHOP   | ROTARY JOINT,MONOFLOW,PD/R-276025<br>FOR CASTER-3 AS PER PD/R- DRAWING.<br>DRAWING NO : PD/R-276025                                                                                                                                                                  | 70 EA                    | 4,31,873.00                   |
| 162 | RSP   | SPARES FOR STEEL MELTING SHOP   | REPAIR KIT FOR ROTARY JOINT, MONOFLOW<br>FOR CASTER-3 AS PER PD/R- DRAWING.<br>DRAWING NO : PD/R-276025                                                                                                                                                              | 20 EA                    | 46,399.50                     |
| 163 | RSP   | SPARES FOR STEEL MELTING SHOP   | ROTARY JOINT, DUALFLOW FOR CASTER-3 AS PER<br>DRAWING NO : PD/R-276024                                                                                                                                                                                               | 10 EA                    | 1,63,084.90                   |
| 164 | RSP   | SPARES FOR STEEL MELTING SHOP   | REPAIR KIT FOR ROTARY JOINT, DUALFLOW<br>FOR CASTER-3DRAWING N : PD/R-276024                                                                                                                                                                                         | 10 EA                    | 49,565.30                     |
| 165 | RSP   | SPARES FOR STEEL MELTING SHOP   | ROTARY UNION (MONO FLOW) HOSE LESS DESIGN FOR CASTER 1,2<br>AS PER<br>DRAWING NO : R.S-4.10.047                                                                                                                                                                      | 50 EA                    | 10,05,337.50                  |
| 166 | RSP   | SPARES FOR STEEL MELTING SHOP   | REPAIR KIT FOR ROTARY UNION (MONO FLOW) HOSE LESS DESIGN<br>FOR CASTER 1,2 AS PER REPLACEMENT SPECIFICATION DRAWING.<br>DRAWING NO : R.S-4.10.047                                                                                                                    | 20 EA                    |                               |
| 167 | RSP   | SPARES FOR STEEL MELTING SHOP   | VALVE,SOLENOID,G1/2 24GS M/20 154/172MD<br>SOLENOID VALVE G1/2 24 GS M/20 154/172MD FOR TCM-3 OF<br>CASTER-3 AS PER<br>IDENT/DRG NO-FHA770.01279. MAKE: FRAMAG<br>INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA770.01279 | 10 EA                    | 24,507.54                     |

## Item/ Spares for Steel Melting Shop

| Sl# | Plant | Items under Categories as under | Item                                                                                                                                                                                                                                                                           | Required Annual Quantity | Rate / Value converted to INR |
|-----|-------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 168 | RSP   | SPARES FOR STEEL MELTING SHOP   | VALVE,2/2 SOLENOID,FRAMAG,F/TCM-3<br>2/2 SOLENOID VALVE 24VDN40:096 420.0201.024 FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG NO-FHA731.25563. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA731.25563                       | 12 EA                    | 20,943.54                     |
| 169 | RSP   | SPARES FOR STEEL MELTING SHOP   | VALVE,DIAPHRAGM,EPDM GG25-6/4,FRAMAG<br>DIAPHRAGM VALVE EPDM GG25-6/4 FOR TCM-3 OF CASTER-3 AS PER IDENT/DRG NO-FHA0.346.403. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>TYPE/MODEL : EPDM GG25-6/4<br>REFERENCE NUMBER : IDENT/DRG NO-FHA0.346.403    | 2 EA                     | 24,611.07                     |
| 170 | RSP   | SPARES FOR STEEL MELTING SHOP   | VALVE,BALL,G3/8" PN40,FRAMAG,F/TCM-3                                                                                                                                                                                                                                           | 4 EA                     | 3,234.10                      |
| 171 | RSP   | SPARES FOR STEEL MELTING SHOP   | VALVE,2/2SOLENOID,L180B31-1/2"-Z610 24VD2/2 SOLENOID VALVE L180B31-1/2"-Z610 24VD FOR TCM-3 OF CASTER-3 AS PER IDENT NO-1400984. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>TYPE/MODEL : L180B31-1/2"-Z610 24VD<br>REFERENCE NUMBER : IDENT NO-1400984 | 8 EA                     | 10,212.94                     |
| 172 | RSP   | SPARES FOR STEEL MELTING SHOP   | VALVE,2/2 SOLENOID,R1/2" TYP 131,F/TCM-3<br>2/2 SOLENOID VALVE R1/2" TYP 131 FOR TCM-3 OF CASTER-3 AS PER IDENT NO-1401767. MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>TYPE/MODEL : R1/2" TYP 131<br>REFERENCE NUMBER : IDENT NO-1401767               | 8 EA                     | 34,553.77                     |
| 173 | RSP   | SPARES FOR STEEL MELTING SHOP   | ANGLE VALVE,V6/42,PN40,FRAMAG,F/TCM-3                                                                                                                                                                                                                                          | 2 EA                     | 4,085.17                      |

## Item/ Spares for Steel Melting Shop

| Sl# | Plant | Items under Categories as under | Item                                                                                                                                                                                                                                                         | Required Annual Quantity | Rate / Value converted to INR |
|-----|-------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 174 | RSP   | SPARES FOR STEEL MELTING SHOP   | VALVE,DIAPHRAGMA ANGLE,FRAMAG,F/TCM-3<br>DIAPHRAGMA ANGLE VALVE 15PN40 G3/4 FOR TCM-3 OF CASTER-3<br>AS PER<br>IDENT/DRG NO-FHA718.00446. MAKE: FRAMAG<br>INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT/DRG NO-FHA718.00446 | 2 EA                     | 15,489.62                     |
| 175 | RSP   | SPARES FOR STEEL MELTING SHOP   | VALVE PLUG CONECTOR,FRAMAG,F/TCM-3<br>VALVE PLUG CONECTOR FOR TCM-3 OF CASTER-3 AS PER IDENT<br>NO-3270124.MAKE: FRAMAG INDUSTRIEANLAGENBAU GMBH.<br>MANUFACTURER : FRAMAG<br>REFERENCE NUMBER : IDENT NO-3270124                                            | 2 EA                     | 859.85                        |
| 176 | RSP   | SPARES FOR STEEL MELTING SHOP   | REGULATOR,PRESSURE,PN:1400154<br>FOR TCM CLAMPING UNIT,G 1/2IN-4BAR<br>MANUFACTURER : FRAMAG<br>PART NO : 1400154                                                                                                                                            | 4 EA                     | 28,076.80                     |
| 177 | RSP   | SPARES FOR STEEL MELTING SHOP   | TORCH,SMB663,STRAIGHT,LG:1500MM                                                                                                                                                                                                                              | 1 EA                     | 1,49,158.00                   |

## Item/ Spares for Steel Melting Shop

| Sl# | Plant | Items under Categories as under | Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Required Annual Quantity | Rate / Value converted to INR |
|-----|-------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 178 | RSP   | SPARES FOR STEEL MELTING SHOP   | TIP,LANCE WITH NOZZLE,DWN:PD/R-205025<br>6 HOLES,NOTE:1) LANCE TIP SHOULD BE OF CAST DESIGN NOT WELDED TYPE 2)<br>6NOS HOLES WILL BE THERE INSTEAD OF 4NOS,HOLES SHOWN IN THE DRAWING 3)<br>OTHER DIMENSIONS AS PER DRAWING 4)OXYGEN BLOWING RATE:500-600CU NM/<br>MINUTE & PRESSURE IS 16KG/SQ.CM WATER<br>QUANTITY:23CU.M/HR,WATER<br>SPEED:10M/SEC,WATER PRESSURE:12BAR,COPPER:DEGREE OF PURITY:99.8%,<br>CONDUCTIVITY L 50=86% IACS,SEALING TEST 15BAR,1HR<br>VERIFICATION OF<br>OUTSIDE WELDING SEAM FOR SURFACE CRACKS,MET-L-CHECK-PROCEDURE,THE<br>ABOVE SPECIFICATIONS ARE FOR THE EXISTING DESIGN,THE SAME SHOULD BE<br>MAINTAINED FOR 6 HOLE LANCE TIP DRAWING IS FOR REF ONLY<br>DRAWING NO : 104.1-13-08-01-25-5067/PD/R-205025 | 72 EA                    | 65,000.00                     |
| 179 | RSP   | SPARES FOR STEEL MELTING SHOP   | Peritectic casting granules for caster 3 of SMS-II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 620 ton                  | 68,875.90                     |
| 180 | RSP   | SPARES FOR STEEL MELTING SHOP   | TORCH 663,LG:3000MM,BENT,MGG 716.50340                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 EA                     | 1,66,706.00                   |
| 181 | RSP   | SPARES FOR STEEL MELTING SHOP   | MTR,GEAR,480V,71,891RPM,0.25KW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 EA                     | 2,45,672.00                   |