

BHEL:: PIPING CENTRE :: CHENNAI – 600017  
OUTSOURCING

ANNEXURE – I TO TERMS & CONDITIONS AND SCOPE OF WORK FOR RATE  
CONTRACT: FOR FABRICATION OF PIPING & PIPING COMPONENT FOR THE YEAR  
2014-15

|  |   |
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| <p><b>[01] END CHAMFERING / SQUARECUT OF PIPE :</b><br/> <b>[1.1] END CHAMFERING / SQUARECUT/ BOTH ENDS OF - CS/AS/SS - PIPES / FITTINGS / STUBS, MATCHING PIECE MACHINED OUT OF PIPE – IBR :</b><br/> <b>[1.2] END CHAMFERING / SQUARECUT/ BOTH ENDS OF - CS/AS/SS / PIPES / FITTINGS / STUBS, MATCHING PIECE MACHINED OUT OF PIPE - NON- IBR</b><br/> <b>[1.3] END CHAMFERING / SQUARECUT/ BOTH ENDS OF - P91, P92 - PIPES / FITTINGS / STUBS, MATCHING PIECE MACHINED OUT OF PIPE – IBR</b></p>   |   |
| A  | MARKING, TRANSFER OF ATTESTATION, CUTTING AND EDGE PREPARATION /SQUARE CUT OF BOTH THE ENDS OF PIPE/FITTINGS AS PER OUR DRAWINGS, RELEVANT QCP,QP ETC   |
| B  | PROVISION OF END PROTECTION AS PER CLAUSE 5.4.F OF THE ENCLOSED TERMS AND CONDITIONS AND AS PER TIP:07.   |
| C  | EP OF PIPES INCLUDES, DRILLING, TAPPING OF HOLES AND MOUNTING OF RG PLUGS. IF RG PLUGS ARE NOT SUPPLIED AS STOCK ITEM, CHARGES FOR MACHINING FROM ROUNDS WILL BE PAID EXTRA AS PER ACCEPTED RATE CODE |
| D  | IF PIPE THICKNESS IS ABOVE 28MM AND LENGTH ABOVE 2MTR ADDITIONAL RATE IS PAID FOR HANDLING AS PER RC.   |
| E  | FOR MATCHING PIECES MACHINED OUT OF PIPE, RELEVANT EP RATE CODE IS OPERATED.  |
| <p><b>[02] FABRICATION OF PIPE WITH ATTACHMENTS :</b><br/> <b>[2.1] FABRICATION OF PIPE WITH ATTACHMENTS (FOR DU WT MORE THAN 50 KG) - AS – IBR</b><br/> <b>[2.2] FABRICATION OF PIPE WITH ATTACHMENTS (FOR DU WT MORE THAN 50 KG) - CS – IBR</b><br/> <b>[2.3] FABRICATION OF PIPE WITH ATTACHMENTS (FOR DU WT MORE THAN 50 KG) - AS – NIBR</b><br/> <b>[2.4] FABRICATION OF PIPE WITH ATTACHMENTS (FOR DU WT MORE THAN 50 KG) - CS – NIBR</b><br/> <b>[2.5] FABRICATION OF MANHOLE ASSEMBLY - CS - NIBR</b><br/> <b>[2.6] ATTACHMENTS (FOR DU WT UP TO 50 KG)- AS/CS/SS-IBR/NIBR</b></p> |   |
| A  | MARKING, TRANSFER OF ATTESTATION, CUTTING AND EDGE PREPARATION OF BOTH ENDS OF PIPE AS PER DRAWING, QCP'S, CQP'S ETC.   |
| B  | WELDING OF ATTACHMENTS TO MAIN PIPE INCLUSIVE OF FLANGE, END COVER, FITTINGS TO MAIN PIPE [FLANGE, END COVER, FITTINGS WILL ALSO BE TREATED AS ONE ATTACHMENT] AS PER DRAWING, QP.                    |
| C  | BOTTOM SUPPORT, SADDLE SUPPORT AND CARRIER PLATE WILL ALSO BE TREATED AS ONE ATTACHMENT.  |
| D  | ATTACHMENT THAT HAVE STRUCTURAL BEAM, STIFFNER PLATE AND PAD PLATE WILL BE TREATED AS TWO ATTACHMENT.   |
| E  | NO PIPE BUTT JOINT RATES WILL BE PAID EXTRA FOR ANY ATTACHMENTS TO THE MAIN PIPE.   |
| F  | MPI/ RADIOGRAPHY HEAT TREATMENT AND ANY OTHER TEST IF NECESSARY, AS PER THE RELEVANT QCP.CQP.SQP/TIPS ETC.  |
| G  | STENCILING & MARKING AS PER CLAUSE 10.0 OF TERMS AND CONDITIONS.  |
| H  | IF FLANGES, TRUNNION, ARE NOT SUPPLIED BY BHEL AS FINISHED COMPONENT BUT ONLY RAW MATERIAL IS SUPPLIED, MACHINING COST WILL BE PAID EXTRA FOR THOSE ATTACHMENT COMPONENT.                             |
| I  | SET OF FOUR CARRIER PLATE IS CONSIDERED AS A SINGLE ATTACHMENT. EACH PAD PLATE IS TREATED AS A SINGLE ATTACHMENT.   |
| J  | COMPLETE BOTTOM SUPPORT ASSEMBLY AS PER DRAWING IS CONSIDERED AS A SINGLE ATTACHMENT.   |

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| K  | FABRICATION OF PUDDLE FLANGE AS PER DRAWING, HEAT TREATMENT IS APPLICABLE IF QP CALLS FOR .   |
| L  | IN EXTRODINARY CASES, IF FABRICATION COST OF THE PIPE WITH ATTACHMENTS IS LESS THAN THE APPLICABLE 'EP' RATE FOR THE CORRESPONDING PIPE SIZE, 'EP' RATE ALONE WILL BE PAID FOR SUCH DU. |
| <b>[03] PUDDLE FLANGE MADE OUT OF PLATE</b>  |   |
| A  | FABRICATION OF PIPE FROM PLATE  |
| B  | FABRICATION OF PUDDLE FLANGE AND HEAT TREATMENT IF APPLICABLE.AS PER DRAWING AND QP.  |
| <b>[04] TARGET PLATES AND TARGET PLATE ASSEMBLY [TARGET PLATE FREE ISSUE IN FINISHED CONDITION]</b>  |   |
| A  | MANUFACTURE OF TARGET PLATE, GRINDING AND BUFFING TO MIRROR FINISH AS PER APPLICABLE DRAWING  |
| B  | FABRICATION OF TARGET PLATE ASSY AS PER APPLICABLE DRAWING AND QP. TARGET PLATE WILL BE ISSUED IN FINISHED CONDITION.   |
| C  | NO SEPERATE CHARGE WILL BE PAID FOR PLASMA CUTTING.   |
| <b>[05] MITRE BEND / WELDED TEE / Y- PIECE :</b>   |   |
| <b>[5.1] MITRE BENDS FROM PLATE / WELDED TEE (MAIN PIPE-SIZE) FROM PLATE / Y-PIECE FROM PLATE (WITHOUT AND WITH ATTACHMENT LIKE BOTTOM SUPPORT , FLANGE(FREE SUPPLY) AND STUB , ETC..)</b> |   |
| <b>[5.2] MITRE BENDS FROM PIPE (WITH ATTACHMENT LIKE BOTTOM SUPPORT , FLANGE(FREE SUPPLY) AND STUB ,ETC..)</b>   |   |
| <b>[5.3] MITRE BENDS FROM PIPE (WITHOUT ATTACHMENT )</b>   |   |
| <b>[5.4] MITRE BENDS FROM PIPE (WITH AND WITHOUT ATTACHMENT )</b>  |   |
| <b>[5.5] MITRE BENDS FROM PLATE - SS (WITH AND WITHOUT ATTACHMENT , INCLUSIVE OF PLASMA CUTTING AND PASSIVATION)</b>   |   |
| A  | MARKING, TRANSFER OF ATTESTATION, CUTTING AS PER DRAWING.   |
| B  | ROLLING/BENDING THE PLATE TO FORM THE REQUIRED SIZE OF PIPE.  |
| C  | WELDING THE SEAM AS PER DRAWING   |
| D  | MARKING, CUTTING AND EDGE PREPARATION OF PIPE AS PER DRAWING  |
| E  | WELDING THE CUT PIPES TO MAKE MITRE BENDS AS PER DRAWING  |
| F  | WELDING OF ATTACHMENTS <b>INCLUDING FLANGE [NO EXTRA BUTT WELDING CHARGES WILL BE PAID]</b> , IF ANY, AS PER DRAWING, AND HEAT TREATMENT AS PER QCP/CQP.                                |
| G  | MPI/ RT AND ANY OTHER TEST IF NECESSARY, AS PER THE RELEVANT QCP/CQP/TIPS ETC.  |
| H  | STENCILING & MARKING AS PER CLAUSE 10.0 OF TERMS AND CONDITIONS.  |
| I  | IF FLANGES NOT SUPPLIED BY BHEL, MACHINING OF COST OF FLANGES WILL BE PAID EXTRA.   |
| J  | IF ANY ADDITIONAL LS,CS BUTT JOINTS WARRANTED DUE TO MATERIAL SUPPLY BY BHEL , ADDITIONAL CHARGES WILL BE PAID .  |
| K  | PROVIDING STIFFENER PLATE WHEREVER REQUIRED.  |
| L  | FOR ATTACHMENTS, RAW MATERIAL WILL BE ISSUED AND MACHINING OF THE SAME IS IN VENDOR'S SCOPE,  |
| <b>[06] WELDED TEES FROM PIPE :</b>  |   |
| <b>[6.1] WELDED TEES FROM PIPE - IBR - CS &amp; AS</b>   |   |
| <b>[6.2] WELDED TEES FROM PIPE - NIBR - CS &amp; AS</b>  |   |

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|---|---|
| A   | MARKING, TRANSFER OF ATTESTATION, CUTTING AS PER DRAWING.   |
| B   | FABRICATION OF 'T' AS PER DRAWING, QP AND HEAT TREATMENT / NDT AS APPLICABLE.   |
| C   | EDGE PREPARATION AS PER DRAWING,  |
| <b>[07] PLATE FORMED ITEMS (INVOLVES ROLLING OF PLATES,LS WELDING &amp; SQUARE CUT/EP):</b> |   |
| <b>[7.1] PLATE FORMED ITEMS WITHOUT ATTACHMENTS- IBR – CS &amp; AS</b>                      |   |
| <b>[7.2] PLATE FORMED ITEMS WITH ATTACHMENTS- IBR – CS &amp; AS</b>                         |   |
| <b>[7.3] PLATE FORMED ITEMS WITHOUT ATTACHMENTS- NIBR – CS &amp; AS</b>                     |   |
| <b>[7.4] PLATE FORMED ITEMS WITH ATTACHMENTS- NIBR – CS &amp; AS</b>                        |   |
| <b>[7.5] PLATE FORMED REDUCER AND FUNNEL- NIBR – CS &amp; AS</b>                            |   |
| A   | MARKING, TRANSFER OF ATTESTATION, CUTTING AS PER DRAWING.   |
| B   | ROLLING/BENDING THE PLATE TO FORM THE REQUIRED SIZE OF PIPE.  |
| C   | WELDING THE SEAM AS PER DRAWING   |
| D   | MARKING, CUTTING AND EDGE PREPARATION OF PIPE AS PER DRAWING  |
| E   | WELDING OF ATTACHMENTS <b>INCLUDING FLANGE [NO EXTRA BUTT WELDING CHARGES WILL BE PAID]</b> , IF ANY, AS PER DRAWING, AND HEAT TREATMENT AS PER QCP/CQP.  |
| F   | MPI/ RT AND ANY OTHER TEST IF NECESSARY, AS PER THE RELEVANT QCP/CQP/TIPS ETC.  |
| G   | STENCILING & MARKING AS PER CLAUSE 10.0 OF TERMS AND CONDITIONS.  |
| H   | IF FLANGES NOT SUPPLIED BY BHEL, MACHINING OF COST OF FLANGES WILL BE PAID EXTRA.   |
| I   | IF ANY ADDITIONAL LS,CS BUTT JOINTS WARRANTED DUE TO MATERIAL SUPPLY BY BHEL , ADDITIONAL CHARGES WILL BE PAID .  |
| J   | PROVIDING STIFFENER PLATE WHEREVER REQUIRED.  |
| K   | FOR ATTACHMENTS, RAW MATERIAL WIL BE ISSUED AND MACHINING OF THE SAME IS IN VENDOR'S SCOPE,   |
| L   | FOR FUNNEL PIPE WILL BE SUPPLIED AS RAW MATERIAL FOR BOTH END TO BE WELDED WITH THE REDUCER ( MIDDLE PART) AND PLATE WILL BE SUPPLIED WHICH SHOULD BE ROLLED AS REDUCER FOR THE MIDDLE PART.  |
| M   | IN CASE OF PLATE FORMED PIPE WHERE LIFTING LUG AND STIFFNERS NEED TO BE PROVIDED AS PER THE DRAWING ( SINCE IT IS MEANT FOR TRANSPORTATION PURPOSE ONLY TO AVOID PIPE DAMAGE) PLATE FORMED ITEMS WITHOUT ATTACHMENT RATE ONLY WILL BE CONSIDERED. |
| <b>[08] ORIFICE PLATE / ORIFICE PLATE ASSY :</b>  |   |
| <b>[8.1] ORIFICE PLATE / ORIFICE PLATE ASSY-MACHINING – SS/ CS &amp; AS- IBR</b>            |   |
| <b>[8.2] ORIFICE PLATE / ORIFICE PLATE ASSY- ATTACHMENT – SS/ CS &amp; AS- IBR</b>          |   |
| <b>[8.3] ORIFICE PLATE / ORIFICE PLATE ASSY- MACHINING – SS/ CS &amp; AS- NIBR</b>          |   |
| <b>[8.4] ORIFICE PLATE / ORIFICE PLATE ASSY- ATTACHMENT – SS/ CS &amp; AS- NIBR</b>         |   |
| A   | MARKING, TRANSFER OF ATTESTATION, CUTTING AS PER DRAWING.   |
| B   | FABRICATION OF ORIFICE PLATE / ORFICE PLATE ASSY AS PER DRAWING, QP   |
| <b>[09] CONDENSING LOOP ASSY / U TUBE ASSY(CS)</b>  |   |
| A   | FABRICATION OF CONDENSING LOOP ASSY / U TUBE ASSY AS PER DRAWING / QP.  |
| <b>[10] GALVANISING, CHROMOTISING &amp; THREADING</b>                                       |   |

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|---|---|
| A   | THREADING / GALVANIZING / CHROMOTISING OF TUBES / PIPES / COMPOENETS AS PER DRAWINGS & QP   |
| <b>[11] BENDING OF PIPE</b>   |   |
| A   | MARKING, TRANSFER OF ATTESTATION AND CUTTING AS PER DRAWING   |
| B   | BENDING OF PIPES AND TUBES AS PER BHEL DRAWING AND QCP AND CARRYING OUT HEAT TREATMENT IF APPLICABLE.   |
| C   | EDGE PREPARATION AS PER DRAWING   |
| <b>[12] PLASMA CUTTING</b>  |   |
| A   | MARKING AND PLASMA CUTTING OF PLATES AS PER DRAWING AND FINISHING THE CUT EDGES WITH GRINDING.  |
| <b>[13] ADDITIONAL BUTT JOINTS:</b><br><b>[13.1] ADDITIONAL PLATE BUTT JOINTS (AS / CS / SS)</b><br><b>[13.2] ADDITIONAL PIPE BUTT JOINTS (AS / CS)</b> |   |
| A   | EDGE PREPARATION / SQUARE CUT OF THE PIPES/STRUCTURES AS PER DRAWING/QCP.   |
| B   | ROOT WELDING BY TIG   |
| C   | WELDING AS PER THE DRAWING/QCP  |
| D   | HEAT TREATMENT AS PER THE DRAWING/QCP   |
| E   | LPI/MPI/RADIOGRAPHY AS PER THE DRAWING/ QCP/QP  |
| <b>[14] HEAT TREATMENT</b>  |   |
| A   | HEAT TREATMENT AS PER DRAWING / QP.   |
| <b>[15] BUNDLING &amp; STENCILLING</b>  |   |
| A   | STRAIGHTTENING AS MAY BE REQUIRED.  |
| B   | HANDLING, BUNDLING AND STENCILING AS PER PROJECT REQUIREMENT.   |
| C   | THIS RATE SCHEDULE WILL BE OPERATED WHERE NO MAJOR WORK LIKE GAS CUTTING , MACHINING ETC IS INVOLVED.   |
| D   | THE ITEMS COVERED ARE LIKE STRUCTURALS , PIPES WITH UNIT AS RUNNING METRE AND PLATES IN SQUARE METRE AND PIPES (SUPPORT PIPE , SPARE PIPE)  |
| <b>[16] TANKS, VESSELS &amp; DISHED ENDS</b>  |   |
| A   | FABRICATION OF VESSELS AND ACCESSORIES LIKE SUPPORT, FOUNDATION BOLTS ETC. IN ACCORDANCE WITH THE DRAWINGS ISSUED BY BHEL, OUT OF RAW MATERIALS AND / OR COMPONENTS SUPPLIED AS FREE ISSUE BY BHEL.<br>ADDITIONAL CS,LS BUTT JOINTS CHARGES EXTRA BASED ON THE APPROVED CUTTING PLAN.<br>DISHED ENDS TO BE SUPPLIED AS FINISHED COMPONENT BY BHEL. IF RAW MATERIAL IS SUPPLIED INSTEAD OF FINISHED DISHED END, ADDITIONAL CHARGES WILL BE PAID EXTRA AGAINST APPLICABLE RATE CODE FOR MAKING DISHED ENDS. |
| B   | MANUFACTURE AND SUPPLY OF DISHED ENDS AS PER BHEL DRG AND QP.   |
| C   | MANUFACTURING, RADIOGRAPHIC TESTING AND HYDRAULIC TESTING SHALL BE CARRIED OUT AS PER RELEVANT QCPS, SQP/CQPS,TIPS ETC.   |
| D   | HEAT TREATMENT FOR TANK ASSEMBLY AS A WHOLE IF ANY WILL BE PAID ETC.  |

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| <b>[17] CLAMPS ( AS / CS) / ROD TYPE CLAMP / CLAMP MADE OUT OF PLATE</b>                   |  |
| A  | FABRICATION OF C.S./A.S. CLAMP ASSEMBLIES, WITH BHEL RAW MATERIALS AS PER DRAWINGS AND QCP/SQP/CQPS.   |
| B  | MPI & LPI WHEREVER REQUIRED OR AS CALLED FOR IN THE QCP/CQP/SQP/TIP.   |
| C  | HEAT TREATMENT AS PER QCP/CQP/SQP.   |
| D  | ASSEMBLING THE CLAMPS AS PER DRAWING   |
| E  | FOR ROD TYPE CLAMP MARKING AND CUTTING OF RODS AS PER DRAWING<br>BENDING OF ROD FOR THE FORMATION OF CLAMP,<br>HEAT TREATMENT AS PER APPLICABLE DRAWING / QP<br>THREADING AT THE BOTH ENDS AS PER DRAWING. |
| <b>[18] RIGID STRUT (INCLUSIVE OF ALL MACHINING , GALVANISING &amp; SPECIAL PAINTING )</b> |  |
| A  | FABRICATION OF RIGID STRUT ASSEMBLY AS PER DRAWING WITH BHEL RAW MATERIALS AND PAINTING AS PER THE RELEVANT QCP/DRAWINGS.  |
| B  | THE ROD ENDS WILL BE ISSUED BY BHEL AS FINISHED COMPONENTS.  |
| C  | THE RATE TO BE QUOTED SHALL BE INCLUSIVE OF CHARGES FOR MACHINING, HEAT TREATMENT , GALVANIZING AND YELLOW- CHROMATIZING OF STUDS AND EPOXY BASED SPECIAL PAINTING OF AS PER SQP/DRG.                      |
| <b>[19] WELDED BEAM &amp; WELDED BOX</b>   |  |
| A  | MARKING, CUTTING AND EDGE PREPARATION AS PER DRAWING.  |
| B  | WELDING THE PLATES TO FORM WELDED BEAMS/ BOXES AS PER DRAWING AND BUTT JOINTS TO BUILD UP LENGTHS, INCLUDING WELDING OF SPLICE PLATE.  |
| C  | MPI/ LPI /RT AND HEAT TREATMENT WHEREVER REQUIRED, AS PER QCP, TIPS.   |
| <b>[20] CUT TO SIZE</b>  |  |
| 1  | CUTTING OF PLATES AS PER DRAWING /GMS  |
| 2  | CUTTING OF PLATES TO SIZE AS PER DRAWING/PURCHASE ORDER  |
| 3  | FABRICATION OF HANGER COMPONENTS LIKE SQUARE .WASHER, SLOTTED HOLE TOP PLATE ETC INVOLVING MINOR MACHINING/DRILLING  |
| 4  | GRINDING ALL THE EDGES SMOOTH FREE OF ANY BURRS.   |
| <b>[21] SS MATERIAL COST</b>   |  |
| 1  | ONLY WEIGHT OF FINISHED COMPONENT WEIGHT AS PER GMS / DRAWING WILL BE CONSIDERED.  |
| <b>[22] MACHINING ITEMS / PART PROCESSING FOR SHOP ASSEMBLIES</b>                          |  |
| <b>[22.1] MACHINING</b>  |  |
| <b>[22.2] MACHINING – IBR</b>  |  |
| <b>[22.3] MACHINING- P91/P92</b>   |  |
| <b>22.4] MACHINING/ATTACHMENT – NON-IBR</b>  |  |
| 1  | CUTTING OF RODS, TWIST REMOVAL (IF ANY) AND MACHINING / THREADING OF THE RODS, SUSPENSION BOLTS, PRECISION STUDS ETC WITH BHEL RAW MATERIAL AS PER DRAWING.  |
| 2  | ELECTRO-GALVANIZING AND YELLOW-CHROMATIZING, WHEREVER REQUIRED AS PER THE DRAWING AND RELEVANT QCP   |

## OUTSOURCING

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| 3   | APPLYING RUST PREVENTIVE OIL ON THE THREADED PORTION AND PAINTING OF THE REMAINING PORTION AS PER CLAUSE 10.0 OF TERMS AND CONDITIONS.   |
| 4   | FABRICATION / MACHINING / THREADING / WELDING OF COMPONENTS / PARTS AS PER APPLICABLE DRAWING, QP ETC.   |
| <b>[23] TIE ROD:</b>  |  |
| <b>[23.1] TIE ROD - R H THREAD ON BOTH SIDE , LH ON ONE SIDE AND RH ON OTHER SIDE WITH GALVANISING TO THK 15 MICRONS AND YELLOW CHROMATISING.</b> |  |
| <b>[23.2] TIE ROD - FULLY THREADED WITH GALVANISING TO THK 15 MICRONS AND YELLOW CHROMATISING.</b>  |  |
| 1   | CUTTING OF RODS, TWIST REMOVAL (IF ANY) AND MACHINING / THREADING OF THE RODS, WITH BHEL RAW MATERIAL AS PER DRAWING.  |
| 2   | ELECTRO-GALVANIZING AND YELLOW-CHROMATIZING, WHEREVER REQUIRED AS PER THE DRAWING AND RELEVANT QCP   |
| 3   | APPLYING RUST PREVENTIVE OIL ON THE THREADED PORTION AND PAINTING OF THE REMAINING PORTION AS PER CLAUSE 10.0 OF TERMS AND CONDITIONS.   |
| <b>[24] MISCELLENEOUS FABRICATIONS / WELD ON CLEVIS &amp; CLEVIS WITH BOLT ASSY</b>   |  |
|   | FABRICATION OF DU / COMPONENT / PART AS PER APPLICABLE DRAWING AND QP.   |
| <b>[25] PAINTING CATEGORY</b>   |  |
| 1   | PAINTING SHALL BE AS PER APPLICABLE PAINTING SCHEMES OR AS PER QP/DRG.   |
| 2   | SURFACE PREPARATION WITH POWER OPERATED WIRE BRUSH/ BLAST CLEANING AS PER PAINTING Q.P.  |
| 3   | <b>THE COST OF PRIMER COATING IS INCLUSIVE OF SURFACE PREPARATION [POWER TOOL / BLAST CLEANING] AS PER QP. FOR RED OXIDE ALONE [RATE CODE : 8350 ] SURFACE PREPARATION IS INCLUSIVE OF POWER TOOL CLEANING ONLY.</b> |
| 4   | PUNCHING AND STENCILING OF WORK ORDER NUMBER, DU NUMBER, QTY, WEIGHT, SUBCONTRACTOR'S CODE ETC., AS PER CLAUSE 10.0 OF THE ENCLOSED TERMS, AND CONDITIONS.   |
| 5   | PROVIDING END CAPS, VCI PELLETS (DOSAGE:100GRAMS/CU.M) AND PACKING AS PER OUR LATEST QCP.  |
| 6   | FOR ITEMS COMING UNDER THE PURVIEW OF IBR INVOLVING PAINTING ONLY, ALL IBR FORMALITIES TO BE STRICTLY FOLLOWED.  |
| 7   | RATES ARE TO BE INDICATED AS PER THE SCHEDULES WHICH WILL BE OPERATED. FOR ANY VARIATIONS IN PAINTING THICKNESS REQUIRED AS PER PROJECT REQUIREMENT, PROPORTIONATE RATES ON THE AGREED RATE SCHEDULES WILL OPERATED. |
| <b>GENERAL</b>  |  |
| 1   | STENCILING & MARKING AS PER CLAUSE 10.0 OF TERMS AND CONDITIONS.   |
| 2   | NOTE : AS – ALLOY STEEL REFERRED IS UP TO P22 / F22 / GR-22  |
| 3   | PROVISION OF END PROTECTION AS PER CLAUSE 5.4.F OF THE ENCLOSED TERMS AND CONDITIONS AND AS PER TIP:07.  |
| 4   | IN CASE OF SPARE PIPE OR SPOOL PIPE WHERE CUTTING IS INVOLVED 50% OF THE RELEVANT EP RATE WILL BE OPERATED PER CUTTING   |
| 5   | ALL PIPE ENDS SHALL BE PROVIDED WITH END CAPS/PROTECTION IN ACCORDANCE WITH RELEVANT QCP. COST OF END CAPS IS INCLUSIVE.   |
| 6   | PROVIDING SILICA-GEL AS PER QCP  |