	Description of Services for Mechanical Work				
Sr. No	Description of Services	Unit	Unit Rate (Rs)		
1	FABRICATION OF LIGHT STEEL STRUCTURE UP TO 15 MTR HEIGHT HEAVY STRUCTURAL LESS THAN ISA 50X50X6/ISMB 100/ISMC 100 ALL PLATES INCUUDING CHEQURED PLATE INCLUDING STRAIGHETENING, MARKING, CUTTING, WELDING ETC.	KG			
2	FABRICATION OF LIGHT STEEL STRUCTURE ABOVE15 TO 40 MTR HEIGHT HEAVY STRUCTURAL LESS THAN ISA 50X50X6/ISMB 100/ISMC 100 ALL PLATES INCUUDING CHEQURED PLATE INCLUDING STRAIGHETENING, MARKING, CUTTING, WELDING ETC.	KG			
3	FABRICATION OF HEAVY STEEL STRUCTURE UP TO 15 MTR HEIGHT HEAVY STRUCTURAL MORE THEN OR EQUAL TO ISA 50X50X6/ISMB 100/ISMC 100 ALL PLATES INCUUDING CHEQURED PLATE, INCLUDING STRAIGHETENING, MARKING, CUTTING, WELDING ETC.	KG			
4	FABRICATION OF HEAVY STEEL STRUCTURE ABOVE 15 MTR TO 30 MTR MTR HEIGHT HEAVY STRUCTURAL MORE THEN OR EQUAL TO ISA 50X50X6/ISMB 100/ISMC 100 ALL PLATES INCUUDING CHEQURED PLATE, INCLUDING STRAIGHETENING, MARKING, CUTTING, WELDING ETC.	KG			
5	SHIFTING & ERECTION OF LIGHT STEEL STRUCTURE	KG			
6	SHIFTING & ERECTION OF HEAVY STEEL STRUCTURE	KG			
7	DISMANTLING & SHIFTING OF LIGHT / HEAVY STEEL STRUCTURE	KG			
8	FABRICATION & ERECTION OF MS / GI PIPE STRUCTURE INCLUDING STRAIGHETENING, MARKING, CUTTING, WELDING ETC.	KG			
9	DISMANTLING & SHIFTING OF PIPE STRUCTURE	KG			
10	CHEQUERED PLATE CUTTING AS SPECIFIED & ERECTION ARE WITH TAC WELDING AS PER STANDARD	KG			
11	FABRICATION & ERECTION WITH SHIFTING OF MS / GI RAILING PIPE (STANDARD HEIGHT) (SIZE: 1" TO 1 1/2")	MTR			
12	DISMANTLING & SHIFTING OF MS / GI RAILING PIPE (STANDARD HEIGHT) (SIZE: 1" TO 1 1/2")	MTR			
13	MS CONTINUOUS CUTTING	MTR			
14	MS CONTINUOUS WELDING	MTR			
15	SS CONTINUOUS CUTTING	MTR			
16	SS CONTINUOUS WELDING	MTR			
17	MS TO SS WELDING	MTR			

18	MS PATCH WORK ON PIPING / EQUIPMENT / TANK	SQ.INCH	
19	SS PATCH WORK ON PIPING / EQUIPMENT / TANK	SQ.INCH	
20	HDPE / PP / PVC PLATE CUTTING ABOVE 6MM THK (UP TO 6 MM FREE)	INCH.DIA	
21	HDPE / PVC CONTINUOUS WELDING	INCH.DIA	
22	HDPE TANK NOZZLE WELDING WITH RIB SUPPORT	INCH.DIA	
23	FABRICATION OF PUMP FRAME	KG	
24	MS / GI PIPE FABRICATION (2.0 MTR LENGTH & ABOVE) INCLUDING CUTTING, BEVELLING, WELDING ETC	INCH.MTR	
25	MS / GI PIPE WELD JOINT (BELOW 2.0 MTR LENGTH) (Flange Joint 1.5 Times) INCLUDING CUTTING, BEVELLING, WELDING ETC	INCH.DIA	
26	MS / GI NOZZLE TAPPING FABRICATION INCLUDING CUTTING, BEVELLING, WELDING ETC	INCH.DIA	
27	MS / GI REDUCER (ECCENTRIC / CONCENTRIC) FABRICATION FROM PIPE (LARGE DIA TO BE CONSIDERED) INCLUDING CUTTING, BEVELLING, WELDING ETC	INCH.DIA	
28	MS / GI PIPE CUTTING ONLY	INCH.DIA	
29	MS / CS LOOSE FLANGE FABRICATION FROM PLATE	INCH.DIA	
30	SS PIPE FABRICATION (2.0 MTR LENGTH & ABOVE) INCLUDING CUTTING, BEVELLING, WELDING ETC	INCH.MTR	
31	SS PIPE WELD JOINT (BELOW 2.0 MTR LENGTH) INCLUDING CUTTING, BEVELLING, WELDING ETC	INCH.DIA	
32	SS NOZZLE TAPPING FABRICATION INCLUDING CUTTING, BEVELLING, WELDING ETC	INCH.DIA	
33	SS REDUCER (ECCENTRIC / CONCENTRIC) FABRICATION FROM PIPE (LARGE DIA TO BE CONSIDERED) INCLUDING CUTTING, BEVELLING, WELDING ETC	INCH.DIA	
34	SS MYTER BEND FABRICATION INCLUDING CUTTING, BEVELLING, WELDING ETC	INCH.DIA	
35	SS PIPE CUTTING ONLY	INCH.DIA	
36	SS LOOSE FLANGE FABRICATION FROM PLATE	INCH.DIA	

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37	HDPE PIPE FABRICATION (2.0 MTR LENGTH & ABOVE)	INCH.MTR	
38	HDPE PIPE COIL FABRICATION & ERECTION	INCH.DIA	
39	HDPE PIPE WELD JOINT (BELOW 2.0 MTR LENGTH)	INCH.DIA	
40	HDPE NOZZLE TAPPING FABRICATION	INCH.DIA	
41	HDPE ONLINE JOINT (ON POSITION)	INCH.DIA	
42	ONLY DISMANTLING & SHIFTING OF MS / GI / SS / HDPE / MS-PTFE / MSGL / MSLB / MSRL / PP FRP / PPRC / UPVC (JACKETED / NON JACKETED) PIPING	INCH.MTR	
43	ONLY SHIFTING & ERECTION OF MS / GI / SS / HDPE / MS-PTFE / MSGL / MSLB/ MSRL / PP FRP / PPRC / UPVC (JACKETED / NON JACKETED) PIPING	INCH.MTR	
44	DISMANTLING & SHIFTING / SHIFTING & ERECTION OF VALVE / SIGHT GLASS / VENTURY / TIE ROD / NRV / ROTAMETER / WATER METER / SAFETY VALVE / PRV / FLOW METER / FLAME ARRESTOR / EXPANSION BELLOW ETC.	INCH.DIA	
45	DISMANTLING & SHIFTING / SHIFTING & ERECTION OF MS-PTFE / MS-GL / MS-RL / MS-LB LINED PIPE FITTINGS LIKE BEND, TEE, REDUCER, REDUCING FLANGE, BLIND FLANGE ETC.	INCH.DIA	
46	DISMANTLING & SHIFTING / SHIFTING & ERECTION OF PRESSURE GAUGE / TEMPERATURE GAUGE ETC.	NOS	
47	DISMANTLING & SHIFTING / SHIFTING & ERECTION OF LEVEL INDICATORS (SIDE / END MOUNTED)	NOS	
48	DISMANTLING & SHIFTING / SHIFTING & ERECTION OF LEVEL INDICATORS (FLOAT & BOARD TYPE)	NOS	
49	DISMANTLING & SHIFTING / SHIFTING & ERECTION OF MANHOLE / HANDHOLE / CONE / DOME ETC.	INCH.DIA	
50	SHIFTING CHARGES FOR EQUIPMENT / STRUCTURE (UP TO 50 MTR FREE)	MT/MTR	
51	SHIFTING CHARGES FOR EQUIPMENT / STRUCTURE FOR DISTANCE ABOVE 100 TO 250 MTR	MT	
52	SHIFTING CHARGES FOR EQUIPMENT / STRUCTURE FOR DISTANCE ABOVE 250 TO 500 MTR	MT	
53	LOADING / UNLOADING CHARGES OF EQUIPMENTS (EXCEPT MSGL, GRAPHITE LINED & LEAD LINED)	MT	
54	LOADING / UNLOADING CHARGES OF EQUIPMENTS OF MSGL / GRAPHITE LINED / LEAD LINED	MT	
55	LOADING / UNLOADING OF STRUCTURAL STEEL SECTIONS, PLATES, PIPES, HARDWARE ETC.	MT	
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56	ANY EQUIPMENT VERTICAL UPLIFT UP TO 1.0 MTR HEIGHT	MT	
57	ERECTION CHARGES OF STATIC EQUIPMENTS & VACCUM PUMP, COMPRESSOR, ROOT BLOWER (EXCEPT MSGL, GRAPHITE LINED & LEAD LINED) UP TO 4 MTR HEIGHT	MT	
58	ERECTION CHARGES OF ROTARY EQUIPMENTS & MACHINERY (EXCEPT MSGL, GRAPHITE LINED & LEAD LINED) UP TO 4 MTR HEIGHT	MT	
59	ERECTION CHARGES OF STATIC EQUIPMENTS FOR MSGL, GRAPHITE LINED & LEAD LINED UP TO 4 MTR HEIGHT	MT	
60	ERECTION CHARGES OF ROTARY EQUIPMENTS & MACHINERY FOR MSGL, GRAPHITE LINED & LEAD LINED UP TO 4 MTR HEIGHT	MT	
61	DISMANTLING CHARGES OF STATIC EQUIPMENTS & VACCUM PUMP, COMPRESSOR, ROOT BLOWER (EXCEPT MSGL, GRAPHITE LINED & LEAD LINED) UP TO 4 MTR HEIGHT	MT	
62	DISMANTLING CHARGES OF ROTARY EQUIPMENTS & MACHINERY (EXCEPT MSGL, GRAPHITE LINED & LEAD LINED) UP TO 4 MTR HEIGHT	MT	
63	DISMANTLING CHARGES OF STATIC EQUIPMENTS FOR MSGL, GRAPHITE LINED & LEAD LINED UP TO 4 MTR HEIGHT	MT	
64	DISMANTLING CHARGES OF ROTARY EQUIPMENTS & MACHINERY FOR MSGL, GRAPHITE LINED & LEAD LINED UP TO 4 MTR HEIGHT	MT	
65	SHIFTING & ERECTION CHARGES OF ELECTRIC PANEL UP TO 4 MTR HEIGHT	MT	
66	DISMANTLING & SHIFTING CHARGES OF ELECTRIC PANEL UP TO 4 MTR HEIGHT	MT	
67	% RISE IN CHARGES OF ERECTION / DISMANTLING OF ROTARY / STATIC, MS/CS/SS/MSGL/MSLB/GRAPHITE LINED EQUIPMENTS, ROTARY MACHINERY & ELECTRICAL PANEL, FOR HEIGHT ABOVE 4 MTR TO 8 MTR	%	
68	% RISE IN CHARGES OF ERECTION / DISMANTLING OF ROTARY / STATIC, MS/CS/SS/MSGL/MSLB/GRAPHITE LINED EQUIPMENTS, ROTARY MACHINERYS & ELECTRICAL PANEL, FOR HEIGHT ABOVE 8 MTR TO 12 MTR	%	
69	% RISE IN CHARGES OF ERECTION / DISMANTLING OF ROTARY / STATIC, MS/CS/SS/MSGL/MSLB/GRAPHITE LINED EQUIPMENTS, ROTARY MACHINERYS & ELECTRICAL PANEL, FOR HEIGHT ABOVE 12 MTR TO 16 MTR	%	
70	% RISE IN CHARGES OF ERECTION / DISMANTLING OF ROTARY / STATIC, MS/CS/SS/MSGL/MSLB/GRAPHITE LINED EQUIPMENTS, ROTARY MACHINERYS & ELECTRICAL PANEL, FOR HEIGHT ABOVE 16 MTR TO 20 MTR	%	
71	% RISE IN CHARGES OF ERECTION / DISMANTLING OF ROTARY / STATIC, MS/CS/SS/MSGL/MSLB/GRAPHITE LINED EQUIPMENTS, ROTARY MACHINERYS & ELECTRICAL PANEL, FOR HEIGHT ABOVE 20 MTR TO 24 MTR	%	
72	DISMANTLING & SHIFTING / SHIFTING & ERECTION OF PUMP / MOTOR, UP TO 5 HP	JOB	
73	DISMANTLING & SHIFTING / SHIFTING & ERECTION OF PUMP / MOTOR, ABOVE 5 HP TO 10 HP	JOB	
74	DISMANTLING & SHIFTING / SHIFTING & ERECTION OF PUMP / MOTOR, ABOVE 10 HP TO 15 HP	JOB	

MANTLING & SHIFTING / SHIFTING & ERECTION OF PUMP / MOTOR, ABOVE 15 HP TO 20	JOB	
MANTLING & SHIFTING / SHIFTING & ERECTION OF PUMP / MOTOR, ABOVE 20 HP TO 30	JOB	
MANTLING & SHIFTING / SHIFTING & ERECTION OF PUMP / MOTOR, ABOVE 30 HP TO 50 (ABOVE 50 HP TO BE CONSIDERED ON WEIGHT BASIS OF ROTARY EQUIPMENTS)	JOB	
LE DRILLING WORK OF ANY SIZE IN MS / SS / HDPE / PP ETC PLATE / SECTION	NOS	
T CUTTING & CHANGES OF ANY SIZE	NOS	
E CLAMP CUTTING	NOS	
OOK CUTTING	NOS	
BRICATION OF PIPE CLAMP (ANY SIZE)	NOS	
TALLATION OF PIPE CLAMP (ANY SIZE)	NOS	
BRICATION OF FOUNDATION BOLT	NOS	
KHILLA / NUT / BOLT WELDING	NOS	
BRICATION & FITTING OF VESSEL CLAMP	MTR	
TOR COUPLER GUARD FABRICATION & FITTING	KG	
TOR BELT GUARD FABRICATION & FIXING	KG	
C / GI / PVC / FRP SHEET (ROOF / LOWER) INSTALLATION WITH J Hook FITTING	SQM	
MOVING OF OLD ACC / GI / PVC / FRP SHEET & FITTING OF NEW SHEET (REPAIRING JOB)	NOS	
C / GI / PVC / FRP SHEET (ROOF / LOWER) DISMANTLING WITH J Hook REMOVING	SQM	
C / GI / PVC / FRP ACCESSORIES LIKE RIDGES, FLASHING, CORNER, GUTTER ETC. TALLATION	MTR	
C / GI / PVC /FRP ACCESSORIES LIKE RIDGES, FLASHING, CORNER, GUTTER ETC. MANTLING	MTR	
	MANTLING & SHIFTING / SHIFTING & ERECTION OF PUMP / MOTOR, ABOVE 20 HP TO 30 MANTLING & SHIFTING / SHIFTING & ERECTION OF PUMP / MOTOR, ABOVE 30 HP TO 50 ABOVE 50 HP TO BE CONSIDERED ON WEIGHT BASIS OF ROTARY EQUIPMENTS) I.E DRILLING WORK OF ANY SIZE IN MS / SS / HDPE / PP ETC PLATE / SECTION I.T CUTTING & CHANGES OF ANY SIZE E CLAMP CUTTING COLUTING RICATION OF PIPE CLAMP (ANY SIZE) RICATION OF PIPE CLAMP (ANY SIZE) RICATION OF FOUNDATION BOLT KHILLA / NUT / BOLT WELDING RICATION & FITTING OF VESSEL CLAMP TOR COUPLER GUARD FABRICATION & FITTING I GOVER SURARD FABRICATION & FITTING COLUPLER GUARD FABRICATION & FITTING OF NEW SHEET (REPAIRING JOB) COLUPLER GUARD FACESSORIES LIKE RIDGES, FLASHING, CORNER, GUTTER ETC. CIALLATION COLUPLER FUNCTIONES LIKE RIDGES, FLASHING, CORNER, GUTTER ETC.	JOB JOB WANTLING & SHIFTING / SHIFTING & ERECTION OF PUMP / MOTOR, ABOVE 20 HP TO 30 JOB WANTLING & SHIFTING / SHIFTING & ERECTION OF PUMP / MOTOR, ABOVE 20 HP TO 50 JOB ABOVE 50 HP TO BE CONSIDERED ON WEIGHT BASIS OF ROTARY EQUIPMENTS) JOB LE DRILLING WORK OF ANY SIZE IN MS / SS / HDPE / PP ETC PLATE / SECTION NOS T CUTTING & CHANGES OF ANY SIZE NOS E CLAMP CUTTING NOS RICATION OF PIPE CLAMP (ANY SIZE) NOS RICATION OF PIPE CLAMP (ANY SIZE) NOS RICATION OF FOUNDATION BOLT NOS RICATION OF FOUNDATION BOLT NOS RICATION & FITTING OF VESSEL CLAMP MTR TOR COUPLER GUARD FABRICATION & FITTING KG C/G/ / PVC / FRP SHEET (ROOF / LOWER) INSTALLATION WITH J Hook FITTING SQM ADVING OF OLD ACC / GI / PVC / FRP SHEET & FITTING OF NEW SHEET (REPAIRING JOB) NOS C/G/ / PVC / FRP SHEET (ROOF / LOWER) DISMANTLING WITH J Hook REMOVING SQM C/G/ / PVC / FRP SHEET (ROOF / LOWER) DISMANTLING WITH J Hook REMOVING SQM C/G/ / PVC / FRP SHEET (ROOF / LOWER) DISMANTLING WITH J HOOK REMOVING SQM C/G/ / PVC / FRP ACCESSORIES LIKE RIDGES, FLASHING, CORNER, GUTTER ETC. MTR C/G/ / PVC / FRP ACCESSORIES LIKE RIDGES, FLASHING, CORNER, GUTTER ETC. MTR

94	DISMANTLING & SHIFTING / SHIFTING & ERECTION OF ACID PUMP(Vertical Pump)	NOS	
95	DISMANTLING & SHIFTING / SHIFTING & ERECTION OF SULPHUR PUMP	NOS	
96	ANCHOR BOLT FIXING WORK	NOS	
97	CONDENSER TUBE BRUSHING & CLEANING	JOB	
98	COPPER JUMPER FIXING	NOS	
99	DISMANTLING & SHIFTING / SHIFTING & ERECTION OF ROTA METER	NOS	
100	CLEANING OF STAINER	NOS	
101	TANKER HOSE FITTING & REMOVING	NOS	
102	RIDGE FITTING	FEET	
103	CUTTING & FIXING OF FRP GRILL WITH SCREWING	SQFT	
104	DISMANTLING & SHIFTING OF FRP GRILL	SQFT	
105	HYDRO TESTING OF EQUIPMENTS (MS / SS / HDPE / PP FRP / MSGL / MSLB / MSRL / PP)	KL	
106	MANPOWER ONE PAIR WITH WORKING TOOLS HELPER AND FITTER	DAY	
107	MANPOWER SUPPLY - FITTER	DAY	
108	MANPOWER SUPPLY - WELDER	DAY	
109	MANPOWER SUPPLY - RIGGER	DAY	
110	MANPOWER SUPPLY - UNSKILLED LABOUR	DAY	
111	MANPOWER ONE PAIR WITH CONSUMABLES HELPER AND FITTER	HOUR	
112	MANPOWER SUPPLY - FITTER	HOUR	

113	MANPOWER SUPPLY - WELDER	HOUR	
114	MANPOWER SUPPLY - RIGGER	HOUR	
115	MANPOWER SUPPLY - UNSKILLED LABOUR	HOUR	
116	HYADRA HIRING CHARGES WITH MANPOWER (3 Hrs), Cap. 10 TON & 12 TON	JOB	
117	HYADRA HIRING CHARGES WITH MANPOWER (8 Hrs), Cap. 10 TON & 12 TON	JOB	
118	TELESCOPIC CRANE HIRING CHARGES WITH MANPOWER, CAP. 50 MT	DAY	
119	TELESCOPIC CRANE HIRING CHARGES WITH MANPOWER, CAP. 75 MT	DAY	
120	TELESCOPIC CRANE HIRING CHARGES WITH MANPOWER, CAP. 100 MT	DAY	
121	LOOSE FLANGE MAKING	INCH.DIA	
122	D.P TEST WITH MATERIAL	INCH.DIA	
123	ACID PICKLING TO SS WELD JOINT	INCH.DIA	
124	FOR SHUTDOWN/BREAK DOWN AS PER ARC RATE PLUS 10% EXTRA	JOB	
125	DISMANTLING AND RE-FIXING OF FLOOR GRATING	SQM	
126	GRATING FABRICATION	SQM	
127	GASKET REPLACEMENT	INCH.DIA	
128	PIPE CLEANING	INCH.DIA	
129	BAG HOUSE ,FILTER BAG(REMOVING & REFITTING)	NOS	
130	BAG HOUSE ,CAGE (REMOVING & REFITTING)	NOS	
131	DUCT LINE (REMOVING & REFITTING)	NOS	

132	SAFTY SHOWER (DISMENTLING & RE-FITTING)	NOS	
133	POSTER BOARD FRAME FITTING	NOS	
134	GEAR BOX DISMENTLING / RE-FITTING	NOS	
135	PUMP VALUTE DISMENTLING / RE-FITTING	NOS	
136	COLLING TOWER FAN DISMENTLING / RE-FITTING	NOS	
137	AIR BOX,HOSE RILLDRUM,WIND SHUCK DISMENTLING / RE-FITTING	NOS	
138	FLANGE GUARD DISMENTLING / RE-FITTING	INCH.DIA	
Note:	All Scaffolding (only Metallic) material supplies with erection and dismantle should provide by contractor. (Rates are including Scaffolding)		