

**TECHNICAL BID**

**SUPPLY OF MATERIAL AS PER FOLLOWING SPECIFICATIONS:**

<b>Item Number</b>	<b>Item Code</b>	<b>Item Description</b>	<b>Item Quantity</b>	<b>Unit of Measure</b>
1	300064911	FORGED CARBON STEEL FLANGE, SIZE 1/2 INCH, CLASS - 150# SLIP ON RAISED FACE (SORF), MOC: ASTM A105, CARBON STEEL, FULLY MCHINED AND DRILLED CONFORMING TO ANSI B16.5	10	NO
2	300021866	FORGED CARBON STEEL FLANGE, SIZE: 1/2" X 300#, SLIP ON RAISED FACE (SORF), MOC: ASTM A105, FULLY MACHINED AND DRILLED AS PER ANSI B-16.5	10	NO
3	300068127	FORGED CARBON STEEL FLANGE: SIZE: 1/2" X 600#, SOCKET WELD RAISED FACE (SWRF), MOC: ASTM A105, FULLY MACHINED AND DRILLED AS PER ANSI B-16.5	8	NO
4	300064902	FORGED CARBON STEEL FLANGE SIZE: 3/4" CLASS - 150#, SLIP ON RAISED FACE (SORF), MOC: ASTM A105 GRADE 2, FULLY DRILLED & MACHINED AS PER ANSI B 16.5	10	NO
5	300021867	FORGED CARBON STEEL FLANGE, SIZE: 3/4 INCH NB X 300#, SLIP ON RAISED FACE (SORF), MOC: ASTM A105 / A-181 CL70, FULLY MACHINED AND DRILLED AS PER ANSI B16.5	10	NO
6	300068128	FORGED CARBON STEEL FLANGE, SIZE: 3/4" X 600#, MOC: ASTM A105, SOCKET WELD RAISED FACE (SWRF), DIMENSIONS AS PER ANSI B16.5	8	NO
7	300064903	FORGED CARBON STEEL FLANGE, SIZE: 1" X 150#, MOC: ASTM A105, SLIP ON RAISED FACE (SORF), DIMENSIONS AS PER ANSI B16.5	10	NO
8	300065112	FORGED CARBON STEEL FLANGE, SIZE: 1" X 300#, MOC: ASTM A105 GRADE-II, SOCKET WELD RAISED FACE (SWRF), DIMENSIONS AS PER ANSI B16.5	10	NO
9	300032911	FORGED CARBON STEEL FLANGE, SIZE: 1" NB, CLASS: 600 LBS, WELDING NECK, RAISED FACE;	8	NO

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		<p>SPIRAL SERRATED FINISH AND DRILLED AS PER ASME B16.5 (LATEST EDITION); MOC: ASTM A105</p> <p>NOTE: VENDOR SHALL SUBMIT MATERIAL TEST CERTIFICATE FOR CHEMICAL COMPOSITION AND PHYSICAL PROPERTIES FROM MANUFACTURER / NABL ACCREDITED LAB, INDICATING HEAT &amp; LOT NUMBER, ALONG WITH SUPPLY.</p>		
10	300021858	<p>FORGED CARBON STEEL FLANGE, SIZE: 1-1/2" X 150#, SLIP ON RAISED FACE (SORF), SERATION SPIRAL FINISH AND DRILLED AS PER ANSI B-16.5, MOC: ASTM A105 / A-181 CL70.</p>	15	NO
11	300065116	<p>FORGED CARBON STEEL FLANGE, SIZE: 1-1/2" 300#, SOCKET WELD RAISED FACE (SWRF), MOC: ASTM A105 GR-II, DIMENSIONS AS PER ANSI B16.5</p>	8	NO
12	300133437	<p>FORGED CARBON STEEL FLANGE, SIZE: 1-1/2" NB, CLASS: 600 LBS, WELDING NECK RAISED FACE (WNRF); SPIRAL SERRATED FINISH AND DRILLED AS PER ASME B16.5 (LATEST EDITION); MOC: ASTM A105</p> <p>NOTE: VENDOR SHALL SUBMIT MATERIAL TEST CERTIFICATE FOR CHEMICAL COMPOSITION AND PHYSICAL PROPERTIES FROM MANUFACTURER / NABL ACCREDITED LAB, INDICATING HEAT &amp; LOT NUMBER, ALONG WITH SUPPLY.</p>	8	NO
13	300021859	<p>FORGED CARBON STEEL FLANGE, SIZE: 2" NB X 150 LBS, SLIP ON RAISED FACE (SORF), MOC: ASTM A105, SPIRAL SERRATED FINISH AND DRILLED AS PER ANSI B16.5 (LATEST EDITION);</p>	15	NO
14	300021869	<p>FORGED CARBON STEEL FLANGE, SIZE: 2" NB X 300#, SLIP ON RAISED FACE (SORF), MOC: ASTM A105 / A-181 CL70, FULLY MACHINED AND DRILLED AS PER ANSI B16.5</p>	8	NO
15	300021930	<p>FORGED CARBON STEEL FLANGE, SIZE: 2" X 600#, WELD NECK RAISED FACE (WNRF), MOC: ASTM A105 / A-181 CL70. FULLY MACHINED AND DRILLED AS PER ANSI B16.5.</p>	8	NO

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16	300064905	FORGED CARBON STEEL FLANGE, SIZE: 3" X 150#, MOC: ASTM A105, SLIP ON RAISED FACE (SORF), FULLY MACHINED & DRILLED AS PER ANSI B16.5	10	NO
17	300021870	FORGED CARBON STEEL FLANGE, SIZE: 3 INCH NB X 300#, SLIP ON RAISED FACE (SORF), MOC: ASTM A105 / A-181 CL 70, FULLY MACHINED AND DRILLED AS PER ANSI B16.5	6	NO
18	300021862	FORGED CARBON STEEL FLANGE, SIZE: 4" NB X 150#, SLIP ON RAISED FACE (SORF), SPIRAL SERRATED FINISH AND DRILLED AS PER ANSI B16.5 MOC: ASTM A105 / A181 - CL70.  NOTE: MTC INDICATING HEAT & LOT NO. TO BE FURNISHED ALONG WITH SUPPLY FROM MANUFACTURER OR NABL ACCREDITED LAB.	10	NO
19	300094168	FORGED CARBON STEEL FLANGE, SIZE: 4" NB X 300#, SLIP ON RAISED FACE (SORF); MOC: ASTM A105 GR-II / A-181 CL70; FULLY MACHINED AND DRILLED AS PER ANSI B-16.5.	6	NO
20	300065034	FORGED CARBON STEEL FLANGE, SIZE: 4" NB X 600#, WELD NECK RAISED FACE (WNRF); MOC: ASTM A105 GR-II; FULLY MACHINED AND DRILLED AS PER ANSI B-16.5	4	NO
21	300064907	FORGED CARBON STEEL FLANGE, SIZE: 6" X 150#, MOC: ASTM A105, SLIP ON RAISED FACE (SORF), DIMENSIONS AS PER ANSI B16.5	10	NO
22	310021190	FORGED CARBON STEEL FLANGE, SIZE: 6" 300#, WELD NECK RAISED FACE (WNRF), MOC: ASTM A105 GRADE-II, DIMENSIONS AS PER ANSI B16.5	4	NO
23	300021871	FORGED CARBON STEEL FLANGE, SIZE: 6" NB X 300#, SLIP ON RAISED FACE (SORF), MOC: ASTM A105 / A181 CL70, FULLY MACHINED AND DRILLED AS PER ASA B-16.5	6	NO
24	300133884	FORGED CARBON STEEL FLANGE,	4	NO

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		<p>SIZE: 6" NB, CLASS: 600 LBS, SCH 40, WELDING NECK RAISED FACE (WNRF), MOC: ASTM A105, SPIRAL SERRATED FINISH AND DRILLED AS PER ASME B16.5 (LATEST EDITION);</p> <p>NOTE: VENDOR SHALL SUBMIT MATERIAL TEST CERTIFICATE FOR CHEMICAL COMPOSITION AND PHYSICAL PROPERTIES FROM MANUFACTURER / NABL ACCREDITED LAB, INDICATING HEAT &amp; LOT NUMBER, ALONG WITH SUPPLY.</p>		
25	310021159	FORGED CARBON STEEL FLANGE, SIZE: 8" X 150#, SLIP ON RAISED FACE (SORF), MOC: ASTM A105, DIMENSIONS AS PER ANSI B16.5 (LATEST EDITION)	6	NO
26	310021191	FORGED CARBON STEEL FLANGE, SIZE: 8" X 300#, WELD NECK RAISED FACE (WNRF), MOC: ASTM A105, DIMENSIONS AS PER ANSI B16.5 (LATEST EDITION)	4	NO
27	310021160	FLANGE 10" CS ASTM A 105 GRADE-2 ANSI B 16.5 150 LBS SORF SCHEDU 20	6	NO
28	300064917	FLANGE 12" 150 LBS, ASTM CS/A105 SLIPON RAISED FACE TYPE, AS PER ASME B16.5	4	NO
29	300021886	FORGED STAINLESS STEEL FLANGE, SLIP ON RAISED FACE, FULLY MACHINED AND DRILLED AS PER ASA B-16.5 ; SIZE- 1/2 INCH NB X 150 #, MOC: A - 182 F304 NOTE- PARTY SHALL SUBMIT MTC ALONG WITH SUPPLY.	10	NO
30	300065117	(SURPLUS ITEM) FLANGE SWRF, MA TERIAL ASTM A182 GR-II, F304, 300 LBS, ANSI B-16.5, SIZE-1/2" .	10	NO
31	300065121	(SURPLUS ITEM) FLANGE SWRF, MA TERIAL ASTM A182 GR F304L #600 LBS, ANSI B-16.5, SIZE-1/2" .	8	NO
32	300064926	FLANGE, SLIP ON RAISED FACE, FORGED STAINLESS STEEL ASTM A 182 F 304 ASA CLASS 150#, FULLY MACHINED AND DRILLED TO CONFIRMING TO ANSI B16.5 SIZE 3/4 INCH	10	NO
33	300126683	FLANGE 3/4" X 300#, SWRF, MATERIAL ASTM A182 F304L	10	NO

Item Number	Item Code	Item Description	Item Quantity	Unit of Measure
34	300065120	(SURPLUS ITEM) FLANGE SWRF, MATERIAL ASTM A182 GR 304, #600LBS, ANSI B-16.5, SIZE-3/4" .	8	NO
35	300064927	FLANGE, SLIP ON RAISED FACE, FORGED STAINLESS STEEL ASTM A 182 F 304 ASA CLASS 150#, FULLY MACHINED AND DRILLED TO CONFIRMING TO ANSI B16.5 SIZE 1 INCH	10	NO
36	300021899	FORGED STAINLESS STEEL FLANGE, SLIP ON RAISED FACE, FULLY MACHINED AND DRILLED AS PER ASA B-16.5 ; SIZE- 1 INCH NB X 300 #, MOC: A - 182 F304 NOTE- PARTY SHALL SUBMIT MTC ALONG WITH SUPPLY.	8	NO
37	300146094	FORGED STAINLESS STEEL FLANGE, SIZE: 1" NB, CLASS: 600 LBS, SLIP ON RAISED FACE, MOC: ASTM A182 F304; FULLY MACHINED AND DRILLED AS PER ASME B16.5 (LATEST EDITION); NOTE: VENDOR SHALL SUBMIT "MATERIAL TEST CERTIFICATE" ALONG WITH SUPPLY.	8	NO
38	300078184	FLANGE, SORF. MOC: ASTM A 182 F 304L, SIZE 1.1/2" 150 LBS, DRILLED AS PER ANSI 16.5 NOTE: MATERIAL TEST CERTIFICATE FROM REPUTED TESTING LABORATORIES TO BE SUBMITTED ALONGWITH THE SUPPLY.	10	NO
39	300021900	FLANGE SO/RF FORGED STAINLESS STEEL 304 ASTM A182-F304 300 # MACH INED AND DRILLED TO ASA- 300, SIZE 1.1/2", AS PER ASA-B 16.5 MTC SHOULD ACCOMPANY THE SUPPLY.	8	NO
40	300065037	FLANGE, MATERIAL : A182/F304, 1.1/2", 600#, B16.5, WNRF	6	NO
41	300064929	FLANGE SLIPON RAISED FACE FORGED STAINLESS STEEL 304 ASTMA 182F304, FULLY MACHINED AND DRILLED CONFORMING TO ANSI B16.5, 150 LBS, SIZE-2"	8	NO
42	300069922	STAINLESS STEEL FLANGE, FORGED SIZE: 2 INCH NB X 150 #, SLIP ON RAISED FACE, SPIRAL SERRATED FINISH, MOC: ASTM A182 F304. DRILLED AS PER ANSI B16.5 (LATEST EDITION)  NOTE: VENDOR SHALL SUBMIT MATERIAL TEST CERTIFICATE FOR CHEMICAL COMPOSITION AND PHYSICAL PROPERTIES FROM MANUFACTURER / NABL ACCREDITED LABORATORY ALONG WITH SUPPLY.	8	NO

Item Number	Item Code	Item Description	Item Quantity	Unit of Measure
43	300085283	FORGED STAINLESS STEEL FLANGE SIZE: 2" NB X 300#; MOC: ASTM A182 F304; FLANGE FACE: RAISED FACE WITH SERRATIONS; DIMENSIONS: AS PER ASME B16.5 (LATEST EDITION)  NOTES: VENDOR SHALL SUBMIT MATERIAL TEST CERTIFICATE FOR CHEMICAL COMPOSITION AND PHYSICAL PROPERTIES FROM MANUFACTURER/NABL ACCREDITED LABORATORY.	6	NO
44	300092881	FORGED STEEL WELD NECK RAISED FACE FLANGE SIZE - 2" X 600# X SCH40 MOC - A182 F304 NOTE- 1) ID OF THE WELDNECK SHALL BE SUITABLE FOR SCHEDULE 40 PIPE 2) FLANGE DRILLING AS PER ANSI B16.5 3) MTC INDICATING HEAT AND LOT NUMBER IS TO BE FURNISHED AT THE TIME OF SUPPLY	6	NO
45	300064930	FLANGE SLIPON RAISED FACE FORGED STAINLESS STEEL 304 ASTM 182 F304 ASA CLASS 150# FULLY MACHINED AND DRILLED CONFORM ING TO ANSI B16.5 SIZE 3 INCH	10	NO
46	300021903	FLANGE, SLIP ON RAISED FACE, FORGED SS-304, MOC: ASTM A182 - F304, SIZE - 3", ASA CLASS 300# FULLY MACHINED AND DRILLED TO ASA-300	6	NO
47	300021893	FORGED STAINLESS STEEL FLANGE, SLIP ON RAISED FACE, FULLY MACHINED AND DRILLED AS PER ASA B-16.5 ; SIZE- 4 INCH NB X 150 #, MOC: A - 182 F304 NOTE- PARTY SHALL SUBMIT MTC ALONG WITH SUPPLY.	10	NO
48	300125709	FLANGE 4" 300#, WNRF, MATERIAL ASTM A182 F304, AS PER ANSI B16.5	4	NO
49	300064960	FORGED STAINLESS STEEL FLANGE, SIZE-4" X 600 #, SLIP ON RAISED FACE, SPIRAL SERRATED FINISH AND DRILLED AS PER ANSI B16.5 (LATEST EDITION); MOC. - SS 304  NOTE: VENDOR SHALL FURNISH MTC ALONG WITH SUPPLY.	4	NO
50	300021894	FORGED STAINLESS STEEL FLANGE, SLIP ON RAISED FACE, FULLY MACHINED AND DRILLED AS PER ASA B-16.5 ; SIZE- 6 INCH NB X 150 #, MOC: A - 182 F304	8	NO

Item Number	Item Code	Item Description	Item Quantity	Unit of Measure
		NOTE: MTC TO BE FURNISHED ALONG WITH SPPLY.		
51	300141182	FLANGE 8" 150# SORF F304L AS PER ANSI B 16.5	6	NO
52	300141180	FLANGE 10" 150# SORF F304L AS PER ANSI B 16.5	4	NO
53	300021898	FORGED STAINLESS STEEL FLANGE, SIZE: 12" NB x 150#, SORF. MOC: ASTM A182 F304. DIMENSIONAL & DRILLING STANDARD: ANSI B 16.5  NOTE: VENDOR SHALL SUBMIT MTC FOR CHEMICAL COMPOSITION AND PHYSICAL PROPERTIES FROM MANUFACTURER INDICATING HEAT & LOT NUMBER, ALONG WITH SUPPLY.	2	NO

**Technical Conditions:**

1. DIMENSIONS OF ALL THE FLANGES SHALL BE AS PER ANSI B16.5.
2. THE SIZE, RATING & MOC SHALL BE CLEARLY STAMPED/ PUNCHED ON ALL THE FLANGES.
3. BIDDER SHALL SUBMIT "MATERIAL TEST CERTIFICATE (MTC)" FOR EACH ITEM ALONG WITH THE SUPPLY.
4. BIDDER SHALL SUPPLY ALL THE ITEMS WITHIN 30 DAYS FROM THE DATE OF PLACEMENT OF PO.

Signature & Stamp

**NO DEVIATION CERTIFICATE**

**SUBJECT: FOR SUPPLY OF PIPE FITTINGS (FLANGES) at RCF, THAL.**

**GeM Bid No:** \_\_\_\_\_

**We M/s. \_\_\_\_\_ hereby agree to fully comply with, abide by and accept without variation, deviation or reservation all technical, commercial and other condition whatsoever of the Bidding Documents and all Addenda / Corrigenda / Clarifications issued by OWNER.**

**We further hereby waive, withdraw and abandon any and all deviations, variations, objections or reservations whatsoever hereto set out, given or indicated in our offer, clarifications, correspondence, communications or otherwise with a view that the final price bid submitted may be treated to confirm to, in all respects, with the terms and conditions of the said tender documents including all Addenda / Corrigenda / Clarifications.**

**For and on behalf of : M/s. \_\_\_\_\_**

**Stamp & Signature :**

**Name :**

**Designation :**

**Date :**