

**SCHEDULE: -****IMPORTANT NOTE FOR ALL GROUP****TECHNICAL DELIVERY CONDITIONS**

SI.NO	GENERAL CONDITIONS FOR THE ABOVE ITEMS	VENDOR COMMENTS
1	All the items shall comply to the IS standards mentioned in the specification	
2	Test Certificate from NABL lab shall be provided where ever specified	
3	Packing conditions shall be as per Annexure P	

**Annexure -P****Packing Requirements for STUD & BOLT**

1. Rust Preventive coating and Thread protection sleeves should be used for each Stud & Bolt. Eg. Similar to shown in picture here (Not mandatory for M20 & below sizes)
2. Water proof packing (Eg. Polyethylene based gunny bags, Plastic box & Wooden box) shall be used.
3. Each package should contain one variant only and shall not exceed 25 kg. (Not applicable, incase of packing in Plastic box / wooden box).
4. Each package should contain one variant only and same count of items (wherever possible) for ease in counting and accounting.
5. Tag indicating Item name, PO no, PO Sl no & Count of items shall be pasted in each package.
6. Secure protection for packages shall be done to avoid damages in transit. Supplier is responsible for loss due to damages due to insecure packing.

**Note to Suppliers (All GROUP)**

If any supplier sends packages that do not comply with the requirements stated above, the items will be **rejected at our stores**, and the supplier will be responsible for **collecting the rejected packages**.

**Examples of non-compliance include (but are not limited to):**

1. Failure to apply rust preventive fluid
2. Not using thread protection sleeves
3. Mixing different item sizes in a single package
4. Not using waterproof packaging
5. Not attaching tags to each package

SL NO	TECHNICAL DESCRIPTION	QTY (Nos)	GROUP	VENDOR COMMENTS ( To Specify Make )	VENDOR COMMENTS ( Quoted / Not Quoted )
1	HEX. BOLT M36 X 310 IS.1364 HEX.BOLT M 36 X 310 P.C.8.8 IS.1364 PRECISION COARSE PITCH-STEEL MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	60	GROUP - 01		
2	HEX.BOLT M36 X 220 IS.1364 HEX.HD. BOLT M 36 X 220 P.C 10.9 / IS.1364 PRECISION COARSE MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	50			
3	HEX.BOLT M12 X 75 IS: 1364 HEXAGONAL BOLT SIZE : M12 X 75 DIMENSIONS AS PER IS: 1364 PROPERTY CLASS 8.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	200			
4	HEX.BOLT M36 X 190 IS.1364 HEX.HD.BOLT M 36 X 190 P.C.10.9 / IS.1364 PRECISION COARSE PITCH STEEL MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	80			
5	HEX.BOLT M36X420 IS.1364 Hex head Bolt M 36 X 420 Property class 10.9,IS.1364 MAKE: TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	40			
6	HEX BOLT M42 X 320 IS:1364 Hex head Bolt M 42 X 320 Property class 10.9,IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	20			
7	HEX BOLT M10X35 IS:1364 HEX.HD BOLT PRECISION SIZE M 10X35 COARSE PITCH; STEEL, PROPERTY CLASS 8.8, IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	500			
8	HEX BOLT M10X40 IS:1364 HEX HEAD BOLT M10 X 40. PRECISION COARSE PITCH STEEL PROPERTY CLASS 8.8 IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	800			
9	HEX BOLT M10X65 IS:1364 Hex. Bolt M10 x 65 IS: 1364 Property class 8.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	300			
10	HEX BOLT M12X40 IS:1364 HEX HEAD BOLT M 12 X 40 PRECISION COARSE PITCH STEEL PROPERTY CLASS 8.8, IS-1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	3500			

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11	HEX BOLT M12X50 IS:1364 HEX HEAD PRECISION BOLT SIZE : M12X50 COARSE PITCH STEEL PROPERTY CLASS-8.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	4000	GROUP - 01		
12	HEX BOLT M12X55 IS:1364 HEX HD BOLT PRECISION M 12 X 55 COARSE PITCH-STEEL PROPERTY CLASS 8.8,IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	1500			
13	HEX BOLT M12X65 IS:1364 HEX BOLT M12X65 PRECISION COURSE PITCH-STEEL PROPERTY CLASS 8.8 IS:1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	1000			
14	HEX BOLT M12X70 IS:1364 "HEX HEAD BOLT M 12 X 70 PRECISION COARSE,PITCH STEEL PROPERTY- 10.9;IS.1364 TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	700			
15	HEX BOLT M12X80 IS:1364 P.C.8.8 HEX HEAD BOLT M 12 X 80 PRECISION, COARSE PITCH STEEL, PROPERTY Class 8.8/ IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	500			
16	HEX BOLT M16X120 IS:1364 Hex.Head Bolt M.16 X 120 Property Class 10.9 IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	200			
17	HEX BOLT M16X50 IS:1364 HEX HEAD PRECISION BOLT M16 X 50 COARSE PITCH STEEL; PROPERTY CLASS 8.8/IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	6000			
18	HEX BOLT M16x55 IS:1364 HEX head Bolt Size M16 X 55 IS No.1364 Property Class 8.8 Precision COARSE PITCH STEEL MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	300			
19	HEX BOLT M16X55 IS:1364 P.C.8.8 Hex.Head Bolt M 16 X 55 Property Class 8.8, IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	2000			
20	HEX BOLT M16X60 IS:1364 HEX HEAD BOLT M 16 X 60 PRECISION COARSE PITCH,STEEL PROPERTY CLASS 8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	1250			

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21	HEX BOLT M16X65 IS:1364 HEX HEAD BOLT M 16 X65 PRECISION COARSE PITCH STEEL PROPERTY 8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	2500	GROUP - 01		
22	HEX BOLT M16X70 IS:1364 HEX HEAD BOLT M 16 X 70 PRECISION COARSE PITCH - STEEL PROPERTY CLASS:8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	1200			
23	HEX BOLT M16X75 IS:1364 HEX HD BOLT - M16 X 75 PRECISION.COARSE PITCH-STEEL PROPERTY CLASS- 8.8/IS:1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	1200			
24	HEX BOLT M20X100 IS:1364 HEX HEAD BOLT M20X100 PRECISION COARSE PITCH - STEEL PROPERTY CLASE 8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	200			
25	HEX BOLT M20X65 IS:1364 HEX HEAD PRECISION BOLT SIZE M 20 X 65 COARSE PITCH STEEL PROPERTY 8.8, IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	100			
26	HEX BOLT M20X90 IS:1364 HEX HEAD BOLT PRECISION M 20 X 90 COARSE PITCH STEEL PROPERTY 8.8/IS1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	1200			
27	HEX BOLT M24X110 P.CLASS 8.8 IS:1364 HEX HEAD BOLT M24 X 110 PRECISION, COARSE PITCH STEEL PROPERTY CLASS 8.8 / IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	250			
28	HEX BOLT M24X120 P.CLASS 8.8 IS:1364 HEX HEAD BOLT M24X120 PRECISION,COARSE PITCH STEEL, PROPERTY CLASS 8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	200			
29	HEX BOLT M24X140 IS:1364 HEX HEAD BOLT PRECISION M 24 X 140 COARSE PITCH/ STEEL PROPERTY CLASS 8.8 / IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	250			

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30	HEX BOLT M24X220 IS:1364 HEX HD. BOLT M 24 X 220 PRECISION, COARSE PITCH STEEL, PROPERTY CLASS 10.9 IS:1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	200	GROUP - 01		
31	HEX BOLT M24X280 IS:1364 HEX HEAD BOLT M 24 X 280 PRECISION, COARSE PITCH-STEEL PROPERTY CLASS 8.8 / IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	100			
32	HEX BOLT M24X65 IS:1364 HEX HEAD BOLT M 24 X 65 PRECISION, COARSE PITCH STEEL PROPERTY 10.9, IS-1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	700			
33	HEX BOLT M30X180 IS:1364 HEX HD.BOLT M 30 X 180 PRECISION COARSE PITCH-STEEL PROPERTY CLASS 10.9 IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	150			
34	HEX BOLT M30X320 IS:1364 HEX. BOLT M30 X 320 IS:1364 Property class 8.8 Coarse pitch steel MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	200			
35	HEX BOLT M12X45 IS:1364 HEX. BOLT M12 X45 IS:1364 Property class 8.8 Coarse pitch steel MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	3000			
36	HEX BOLT M16X140 P.CLASS 8.8 IS:1364 "HEX HEAD BOLT M16X140 PRECISION, COARSE PITCH-STEEL, PROPERTY CLASS 8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	50			
37	HEX BOLT M16X90 IS:1364 HEX HD BOLT M 16 X 90 PRECISION COARSE PITCH-STEEL PROPERTY CLASS 8.8, IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	1500			
38	HEX BOLT M20X80 IS:1364 HEX HD BOLT M 20 X 80 PRECISION COARSE PITCH-STEEL PROPERTY CLASS 8.8/IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	1000			
39	HEX BOLT M24X180 IS:1364 HEX HD.BOLT M 24 X 180 PRECISION, COARSE PITCH-STEEL, PROPERTY CLASS 8.8/ IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	300			

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40	HEX SCREW M10X20 IS:1364 HEX HD. SCREW M 10 X 20 PRECISION COARSE PITCH-STEEL PROPERTY CLASS 8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	700	GROUP - 01		
41	HEX SCREW M10X25 IS:1364 HEX HD. SCREW M 10 X 20 PRECISION COARSE PITCH-STEEL PROPERTY CLASS 8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	1300			
42	HEX SCREW M10X30 IS:1364HEX HEAD SCREW M 10 X 30 PRECISION COARSE PITCH STEEL PROPERTY CLASS :8.8, IS:1364MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENTMANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	500			
43	HEX SCREW M10X35 IS:1364 HEX HEAD SCREW M 10 X 35 PRECISION COARSE PITCH STEEL PROPERTY CLASS :8.8, IS:1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	800			
44	HEX SCREW M10X40 IS:1364 HEX HEAD SCREW AS PER IS:1364 SIZE : M 10 X 40 PRECISION COARSE PITCH STEEL PROPERTY CLASS 8.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	1000			
45	HEX SCREW M10X45 IS:1364 HEX HEAD SCREW AS PER IS:1364 SIZE : M 10 X 45 PRECISION COARSE PITCH-STEEL PROPERTY CLASS 8.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	1000			
46	HEX SCREW M10X50 IS:1364 HEX HD SCREW M 10 x 50 PRECISION COARSE PITCH STEEL PROPERTY CLASS 8.8,IS:1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	500			
47	HEX SCREW M10x60 IS:1364 HEX HEAD SCREW AS PER IS:1364 SIZE : M 10 X 60 PRECISION COARSE PITCH-STEEL PROPERTY CLASS 8.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	500			
48	HEX SCREW M10x90 IS:1364 HEX HEAD SCREW AS PER IS:1364 SIZE : M 10 X 90 PRECISION COARSE PITCH-STEEL PROPERTY CLASS 8.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	200			
49	HEX SCREW M12X25 IS:1364 HEX HD.SCREW M.12 X 25 PRECISION COARSE PITCH STEEL PROPERTY CLASS-8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	700			

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50	HEX SCREW M12X30 IS:1364 HEX HEAD SCREW AS PER IS :1364 SIZE : M 12 X 30 PRECISION COARSE PITCH-STEEL PROPERTY CLASS 8.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	200	GROUP - 01		
51	HEX SCREW M12X35 IS:1364 HEX HEAD SCREW AS PER IS :1364 SIZE : M12x35 PRECISION COARSE PITCH-STEEL PROPERTY CLASS 8.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	600			
52	HEX SCREW M12X40 IS:1364 HEX HEAD SCREW AS PER IS :1364 SIZE : M 12 X 40 PRECISION COARSE PITCH STEEL PROPERTY CLASS 8.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	7500			
53	HEX SCREW M12X45 IS:1364 HEX HD SCREW M 12 X 45 PRECISION COARSE PITCH STEEL PROPERTY CLASS 8.8/IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	1000			
54	HEX SCREW M12X50 IS:1364 HEX HEAD SCREW M 12 X 50 COARSE PITCH-STEEL PROPERTY CLASS 8.8/IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	1000			
55	HEX SCREW M12X55 IS:1364 HEX HEAD SCREW M 12 X 55 COARSE PITCH-STEEL PROPERTY CLASS 8.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	500			
56	HEX SCREW M12X60 IS:1364 HEX HD SCREW M 12 X 60 PRECISION COARSE PITCH STEEL PROPERTY CLASS 8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	700			
57	HEX SCREW M12X80 IS:1364 HEX HD SCREW M 12 X 80 PRECISION COARSE PITCH STEEL PROPERTY CLASS 8.8 IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	700			
58	HEX SCREW M16X100 P.C.8.8 / IS:1364 HEX. HD. SCREW M 16 X 100 COARSE PITCH STEEL,STEEL PROPERTY CLASS 8.8 / IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	100			

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59	HEX SCREW M16X35 IS:1364 HEX,HD,SCREW M 16 X 35 PRECISION,COARSE PITCH-STEEL PROPERTY CLASS 8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	320	GROUP - 01		
60	HEX SCREW M16X50 IS:1364 HEX HD SCREW M 16 X 50 PRECISION,COARSE PITCH-STEEL PROPERTY CLASS 8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	200			
61	HEX SCREW M16X55 IS:1364 HEX HD SCREW M 16 X 55 PRECISION COARSE PITCH STEEL PROPERTY CLASS 8.8/IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	300			
62	HEX SCREW M16X60 IS:1364 HEX HEAD SCREW M 16 X 60 PRECISION COARSE PITCH STEEL PROPERTY CLASS 8.8 IS-1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	300			
63	HEX SCREW M20X40 IS:1364HEX,HD,SCREW M 20 X 40 PRECISION,COARSE PITCH-STEEL PROPERTY CLASS 10,9 IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	200			
64	HEX SCREW M20X70 IS:1364 HEX HD SCREW M 20 X 70 PRECISION COARSE PITCH - STEEL PROPERTY CLASS 8.8 IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	100			
65	HEX SCREW M24X70 HEX HEAD PRECISION SCREW SIZE : M24 X 70 PROPERTY CLASS 8.8, IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	350			
66	HEX SCREW M24X90 IS:1364 HEX HEAD SCREW M 24 X 90 COARSE PITCH STEEL PROPERTY CLASS. 8.8 IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	100			
67	HEX SKT HD CAP SCREW - M12X55 IS:2269 HEX SOCKET HEAD CAP SCREW AS PER IS:2269 SIZE : M12 X 55 COARSE PITCH STEEL PROPERTY CLASS 12.9 IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	500			
68	HEX SKT HD CAP SCREW - M5X25MM IS:2269 HEX SOCKET HD. CAP SCREW M5x25MM. PRECISION COARSE PITCH STEEL PROPERTY MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	100			

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69	HEX SKT HD CAP SCREW M10X25 IS:2269 HEX SOCKET HEAD CAP SCREW M 10 X 25 COARSE PITCH STEEL PROPERTY CLAASS 12.9 IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	500	GROUP - 01		
70	HEX SKT HD CAP SCREW M10X30 IS:2269 HEX SOCKET HEAD CAP SCREW M 10 X 30 COARSE PITCH STEEL;PROPERTY CLASS: 12.9 IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	400			
71	HEX SKT HD CAP SCREW M10X40 IS:2269 HEX SOCKET HEAD CAP SCREW M 10 X 40 COARSE PITCH- STEEL PROPERTY CLASS 12.9;IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	700			
72	HEX SKT HD CAP SCREW M10X45 IS:2269 HEX SOCKET HEAD CAP SCREW M 10 X 45 COARSE PITCH- STEEL,PROPERTY CLASS 12.9, IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	200			
73	HEX SKT HD CAP SCREW M10X50 IS:2269 HEX SOCKET HEAD~CAP SCREW M 10 X 50 COARSE PITCH-STEEL PROPERTY CLASS 12.9 IS 2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	1000			
74	HEX SKT HD CAP SCREW M10X60 NG16 HEX SOCKET HEAD CAP SCREW M 10 X 60 COURSE PITCH STEEL PROPERTY CLASS 12.9 IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	500			
75	HEX SKT HD CAP SCREW M10X75 CYCLO UNIT Hex.socket hd.Cap Screw M 10 X 75 Property class.12.9, IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	200			
76	HEX SKT HD CAP SCREW M12X25 IS:2269 HEX SOCKET HEAD CAP SCREW SIZE M.12 X 25 COARSE PITCH-STEEL PROPERTY CLASS-12.9 IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	500			
77	HEX SKT HD CAP SCREW M12X30 IS:2269 HEX SOCKET HEAD CAP SCREW M 12 X 30 COARSE PITCH STEEL PROPERTY CLASS 12.9 IS 2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	200			
78	HEX SKT HD CAP SCREW M12X35 IS:2269 HEX SOCKET HEAD CAP SCREW M 12 X35, COARSE PITCH- STEEL, PROPERTY CLASS 12.9 IS-2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	600			

SL NO	TECHNICAL DESCRIPTION	QTY (Nos)	GROUP	VENDOR COMMENTS ( To Specify Make )	VENDOR COMMENTS ( Quoted / Not Quoted )
79	HEX SKT HD CAP SCREW M12X40 IS:2269 HEX SOCKET HEAD CAP SCREW SIZE M.12 X 40 COARSE PITCH-STEEL PROPERTY CLASS 12.9 IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	500	GROUP - 01		
80	HEX SKT HD CAP SCREW M12X50 HEX SOCKET HEAD CAP SCREW M 12 X 50 FULL THREAD COARSE PITCH-STEEL PROPERTY CLASS 12.9 IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	700			
81	HEX SKT HD CAP SCREW M12X65 IS:2269 HEX SOCKET HEAD CAP SCREW M 12 X 65 COARSE PITCH STEEL PROPERTY CLASS 12.9 IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	100			
82	HEX SKT HD CAP SCREW M12X70 IS:2269 HEX SOCKET HEAD CAP SCREW M12 X 70 COARSE PITCH-STEEL;PROPERTY CLASS-12.9/IS-2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	850			
83	HEX SKT HD CAP SCREW M16X40 IS:2269 HEX SOCKET HEAD CAP SCREW M 16 X 40 COARSE PITCH STEEL PROPERTY CLASS-12.9/IS-2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	100			
84	HEX SKT HD CAP SCREW M16X60 IS:2269 HEX SOCKET HEAD CAP SCREW M 16 X 60 COARSE PITCH-STEEL PROPERTY CLASS-12.9 IS-2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	250			
85	HEX SKT HD CAP SCREW M16X70 IS:2269 HEX SKT HD CAP SCREW M16x70 COARSE PITCH STEEL PROPERTY CLASS: 12.9, IS:2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	100			
86	HEX SKT HD CAP SCREW M20X40 IS:2269HEX SOCKET HEAD CAP SCREW M 20 X 40 COARSE PITCH STEEL PROPERTY CLASS 12.9 IS.2269MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENTMANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	500			
87	HEX SKT HD CAP SCREW M20X60 IS:2269 HEX SOCKET HD.CAP SCREW SIZE M 20 X 60 COARSE PITCH STEEL, PROPERTY CLASS 12.9 IS 2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	200			
88	HEX SKT HD CAP SCREW M6X10 IS:2269 HEX SOCKET HEAD CAP SCREW M 6 X 10 COARSE PITCH;STEEL;PROPERTY CLASS- 12.9 IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	200			

SL NO	TECHNICAL DESCRIPTION	QTY (Nos)	GROUP	VENDOR COMMENTS ( To Specify Make )	VENDOR COMMENTS ( Quoted / Not Quoted )
89	HEX SKT HD CAP SCREW M6X25 IS:2269 HEX SOCKET HEAD CAP SCREW M 6 X 25 COARSE PITCH STEEL PROPERTY CLASS 12.9, IS:2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	100	GROUP - 01		
90	HEX SKT HD CAP SCREW M6X50 HEX SOCKET HEAD CAP SCREW M 6 X 50 COARSE PITCH STEEL ;PROPERTY CLASS 12.9;IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	50			
91	HEX SKT HD CAP SCREW M6X90 IS:2269 HEX SOCKET HEAD CAP SCREW SIZE:M6X90 PROPERTY CLASS 12.9 IS:2269 COARSE PITCH STEEL MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	100			
92	HEX SKT HD CAP SCREW M8X20 IS:2269 HEX SOCKET HEAD CAP SCREW SIZE M.8 X 20 COARSE PITCH-STEEL PROPERTY CLASS 12.9 IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	500			
93	HEX SKT HD CAP SCREW M8X25 IS:2269 HEX SOCKET HEAD CAP SCREW SIZE M 8 X 25, COARSE PITCH-STEEL PROPERTY CLASS 12.9 IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	3200			
94	HEX SKT HD CAP SCREW M8X30 IS:2269 HEX SOCKET HEAD CAP SCREW M 8 X 30 COARSE PITCH-STEEL PROPERTY CLASS12.9 IS 2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	250			
95	HEX SKT HD CAP SCREW M8x35 IS:2269 HEX SOCKET HEAD CAP SCREW M 8 X 35 COARSE PITCH-STEEL PROPERTY CLASS- 12.9 /IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	1200			
96	HEX SKT HD CAP SCREW M8x55 HEX SKT HD CAP SCREW M8x55 FULL THREAD COARSE PITCH-STEEL PROPERTY CLASS-12.9 /IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	300			
97	HEX SKT HD CAP SCREW M8x65 IS:2269 HEX SOCKET HEAD CAP SCREW M8 x 65, COARSE PITCH STEEL PROPERTY CLASS 12.9, IS:2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	300			
98	HEX SKT HEAD CAP SCREW M8X60 HEXAGON SOCKET HEAD CAP SCREW SIZE : M8X60 FULL THREAD PROPERTY CLASS:10.9 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	300			

SL NO	TECHNICAL DESCRIPTION	QTY (Nos)	GROUP	VENDOR COMMENTS ( To Specify Make )	VENDOR COMMENTS ( Quoted / Not Quoted )
99	HEX SKT.SCREW M8X40 HEX SOCKET HEAD CAP SCREW M 8 X 40 COARSE PITCH-STEEL,PROPERTY CLASS 12.9, IS.2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	800	GROUP - 01		
100	HEX SOCKET HEAD CAP SCREW M8 x 50, HEX SOCKET HEAD CAP SCREW M8 x 50, COARSE PITCH STEEL PROPERTY CLASS 12.9, IS:2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	300			
101	HEX SCREW M10X75 IS:1364 HEX HEAD SCREW M 10 X 75 PRECISION,COARSE PITCH-STEEL PROPERTY CLASS 8.8 IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	500			
102	HEX SCREW M16X40 P.CLASS 8.8 IS:1364 HEX HEAD SCREW M 16 X 40 PRECISION COARSE PITCH-STEEL PROPERTY CLASS 8.8 IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	7000			
103	CSK SLOTTED SCREW M10x25 IS:1365 C'SK HD SLOTTED SCREW SIZE M10 X 25 PRECISION COARSE PITCH STEEL TYPE-A PROPERTY CLASS 5.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	100			
104	HEXSKT HD.CAP SCREW M12X60 HEX SOCKET HEAD CAP SCREW SIZE:M12 X 60 COARSE PITCH-STEEL PROPERTY CLASS-12.9 IS-2269 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB SHALL BE PROVIDED	200			
105	GRUB SCREW M8X20 IS:6094 GRUB SCREW WITH DOG POINT SIZE:M8X20 PROPERTY CLASS: 12.9 IS: 6094,ANSI/ASME B18.3 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	600			
106	GRUB SCREW WITH DOG POINT SIZE:M8X12 PROPERTY CLASS: 12.9 IS: 6094,ANSI/ASME B18.3 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	1000			
107	GRUB SCREW WITH DOG POINT SIZE:M10X25 PROPERTY CLASS: 12.9 IS: 6094,ANSI/ASME B18.3 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	200			
108	GRUB SCREW WITH DOG POINT SIZE:M10X50 PROPERTY CLASS: 12.9 IS: 6094,ANSI/ASME B18.3 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	100			

SL NO	TECHNICAL DESCRIPTION	QTY (Nos)	GROUP	VENDOR COMMENTS ( To Specify Make )	VENDOR COMMENTS ( Quoted / Not Quoted )
109	GRUB SCREW WITH DOG POINT SIZE:M12X50 PROPERTY CLASS: 12.9 IS: 6094,ANSI/ASME B18.3 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	100	GROUP - 01		
110	GRUB SCREW WITH DOG POINT SIZE : M12 x 60 PROPERTY CLASS : 12.9 IS:6094, ANSI/ASME B18.3 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	100			
111	GRUB SCREW WITH DOG POINT SIZE : M10X30 PROPERTY CLASS : 12.9 IS:6094, ANSI/ASME B18.3 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	200			
112	GRUB SCREW WITH DOG POINT SIZE:M20X50 PROPERTY CLASS: 12.9 IS: 6094,ANSI/ASME B18.3 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	70			
113	GRUB SCREW WITH DOG POINT SIZE:M10X45 PROPERTY CLASS: 12.9 IS: 6094,ANSI/ASME B18.3 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	100			
114	GRUB SCREW WITH DOG POINT SIZE:M16X50 PROPERTY CLASS: 12.9 IS: 6094,ANSI/ASME B18.3 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	100			
115	GRUB SCREW WITH DOG POINT SIZE:M24X50 PROPERTY CLASS: 12.9 IS: 6094,ANSI/ASME B18.3 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	100			

SL NO	TECHNICAL DESCRIPTION	QTY (Nos)	GROUP	VENDOR COMMENTS ( To Specify Make )	VENDOR COMMENTS ( Quoted / Not Quoted )
116	STAINLESS STEEL BOLT WITH 1 S.S HEX.NUT & 2 S.S PLAIN WASHER SIZE:M20X70 MATL:AISI 310. MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	800	GROUP - 02		
117	STAINLESS STEEL BOLT WITH 2 WASHER & 1 HEX.NUT SIZE:M16X50 DIMENSIONS AS PER IS:1364 MATL:AISI 310 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	850			
118	STAINLESS STEEL BOLT WITH 2 WASHER & 1 HEX.NUT SIZE:M16X100 DIMENSION AS PER IS:1364 MATL:AISI 310 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	400			
119	STAINLESS STEEL 5 MM THICK WASHER FOR M16 BOLTS PER IS:1364 MATL:AISI 310 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT MANUFACTURER'S TEST CERTIFICATE FROM NABL LAB TO BE PROVIDED	1000			

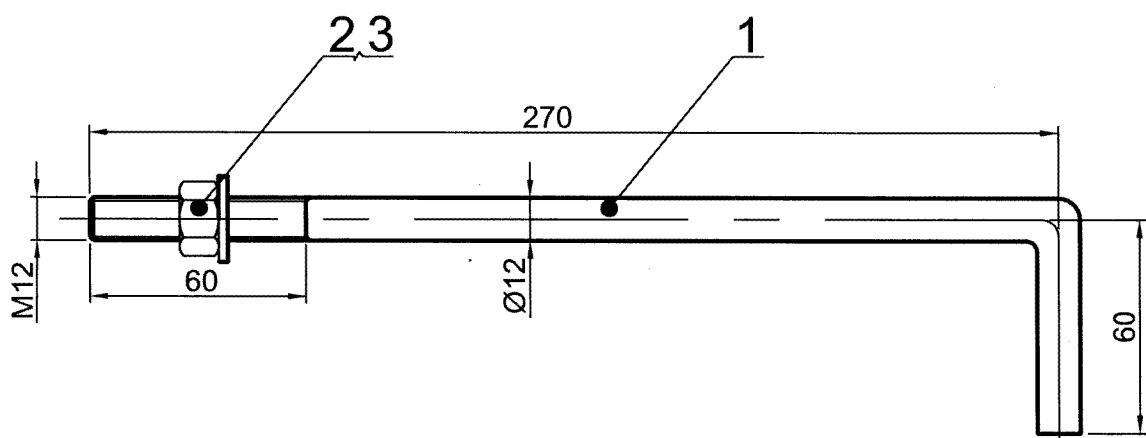
SL NO	TECHNICAL DESCRIPTION	QTY (Nos)	GROUP	VENDOR COMMENTS ( To Specify Make )	VENDOR COMMENTS ( Quoted / Not Quoted )
120	ANCHOR BOLT WITH HEX NUT AND WASHER FOR BURNER BLOCK GUARD MOUNTING <b>DRG. NO: 4-7-1101-01-06294/ Rev 01</b> MATERIAL : AISI 310,P8 IS:1 364 & IS:2016	400			
121	ANCHOR HOOK WITH NUT (FOR BURNER BLOCKS) <b>DRG. No.: 4-7-1101-01-04438 / Rev 01</b> MATERIAL: AISI 304	500	GROUP - 03		

ALL DIMENSIONS ARE IN MM

IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANYWAY DETERMINAL TO INTEREST OF THE COMPANY

REV 01	DATE 3.2.10	ALTERED <i>Shankar</i>
		CHECKED <i>SL</i>
		APPROVED <i>SL</i>
DIMENSIONS 270 AND 60 WERE RESPECTIVELY 230 AND 40		

1.6 ✓



QUANTITY.. 222Nos

3	WASHER 12		0.006
			IS:2016 1
2	HEX. NUT M12		0.017
			P8 IS:1364 1
1	ANCHOR BOLT		0.314
			AISI-310 1
ITEM NO	DESCRIPTION	DRAWING NO	MATL CODE
			UNIT WT
			MATL SPEC
			QTY

EQPT: ROTARY HEARTH FURNACE



Bharat Heavy Electricals Ltd  
SEAMLESS STEEL TUBE PLANT  
TIRUCHIRAPALLI – 620014

DEPT MPG	GRADE OF UNTOL. DIM Ø/M/P	SCALE 1:2	WEIGHT (Kg) 0.337	REF TO ASSY DRG	ITEM NO
CODE				REF TO OLD DRG FD-0427-19	
TITLE				DRAWING NO :	REV
ANCHOR BOLT				4-7-1101-01-06294	01
BURNER GUARD BLOCK MOUNTING					
CARD CODE U 01					

SCANNED

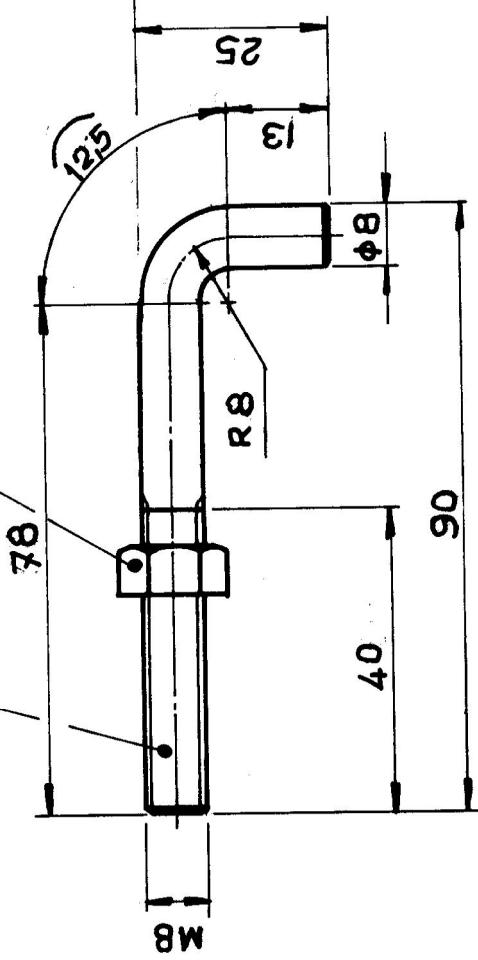
## FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETERS)

REV 01	DATE 19/01/01	ALTERED C. R. A.
		CHECKED A. UML
ZONE	DIMENSION 90 WAS 60	

3.2 ✓

2

1



GRADE : SEMI-PRECISION - IS:1367

THREAD : METRIC THREAD ACCORDING TO TOLERANCE CLASS 8g-IS:4218

THREAD MAY BE FORMED OR ROLLED

MANUFACTURE &amp; WORKMANSHIP - IS:1367

## CHEMICAL COMPOSITION FOR AISI 304.

C	Mn	Si	SMAX.	P MAX.	Ni	Cr.
0,08% MAX.	0,50-2,00%	0,20-1,00%	0,03%	0,04%	8,00-10,00%	17,50-19,50%

2	NUT	AISI 304	1	0,005
1	HOOK	AISI 304	1	0,04
ITEM NO.	DESCRIPTION	MATL CODE	UNIT WT.	QTY
		MATL SPEC		

EQPT : ROTARY HEARTH FURNACE

DRN	NAME	SIGN	DATE
SHARAT HEAVY ELECTRICALS LTD.	G. RAJENDRAN	G. Rajendran	19-04-89
CHD	A. MOOKAM	A. Mookam	19-4-89
APPD	S. SURENDRA	S. Surendra	19-04-89

DEPT	Grade of Untol Dim	SCALE	WEIGHT (KG)	REF TO ASSY/OOLD DRG	REV
CODE	C/M/F	1:1	0,045	4-1101-03-019	
TITLE	ANCHOR HOOK (FOR BURNER BLOCKS)	CARD CODE	DRAWING NO.	4-7-1101-01-04438	01

SL NO	TECHNICAL DESCRIPTION	QTY (Nos)	GROUP	VENDOR COMMENTS ( To Specify Make )	VENDOR COMMENTS ( Quoted / Not Quoted )
122	HEX LOCK NUT M10 IS:1364 LOCK NUT M.10 PRECISION PROPERTY CLASS.8 IS.1364 MAKE: TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	50	GROUP - 04		
123	SELF LOCKING NUT M10 IS:7002 SELF LOCK NUT M 10 PREVAILING TORQUE,TYPE-B,STEEL PRECISION COARSE PITCH PROPERTY CLASS-8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	300			
124	SELF LOCKING NUT M16 IS:7002 SELF LOCKING NUT SIZE M 16. WITH NYLON INSERT, PROPERTY CLASS-8. TYPE-B,IS.7002 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	700			
125	HEX NUT M10 IS:1364 HEX NUT M.10 PRECISION COARSE PITCH-STEEL PROPERTY CLASS :8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	2500			
126	HEX NUT M12 IS:1364 HEX NUT M.12 Precision Coarse Pitch-Steel Property Class 8 , IS: 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	17500			
127	HEX NUT M16 IS:1364 HEX NUT SIZE M16. PRECISION COARSE PITCH-STEEL PROPERTY CLASS :8 STANDARD : IS 1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	25100			
128	HEX.NUT M8 / IS:1364 Hex. NUT M 8. Precision coarse pitch-Steel, Property class.8 / IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	1200			
129	HEX NUT M20 IS:1364 HEX NUT SIZE M.20 PRECISION COARSE PITCH STEEL, PROPERTY CLASS 8,IS:1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	4700			
130	HEX NUT M24 IS:1364 HEX NUT SIZE M 24. PRECISION COARSE PITCH STEEL, PROPERTY CLASS.8 IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	2600			
131	HEX NUT M30 IS:1364 HEX NUT SIZE M 30. PRECISION COARSE PITCH STEEL, PROPERTY CLASS 8 IS.1364 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	1620			
132	HEX NUT M36 IS:1364 HEX NUT M.36 PRECISION COARSE PITCH-STEEL PROPERTY CLASS.8 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	1000			

SL NO	TECHNICAL DESCRIPTION	QTY (Nos)	GROUP	VENDOR COMMENTS ( To Specify Make )	VENDOR COMMENTS ( Quoted / Not Quoted )
133	PUNCHED WASHER M10 PUNCHED WASHER SIZE M 10 STEEL TYPE A IS 2016 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	1500	GROUP - 04		
134	PUNCHED WASHER M12 PUNCHED WASHER SIZE M12 TYPE A STEEL, IS 2016 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	31500			
135	PUNCHED WASHER M16PUNCHED WASHER SIZE M.16 STEEL, TYPE- A, IS:2016MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	30500			
136	PUNCHED WASHER SIZE M 20 STEEL, TYPE-A, IS 2016 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	5000			
137	PUNCHED WASHER M30 PUNCHED WASHER SIZE M 30 STEEL, TYPE A, IS 2016 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	2000			
138	MACHINED WASHER M12 IS:2016 MACHINED WASHER SIZE M 12 STEEL IS 2016 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	1000			
139	MACHINED WASHER M16 IS:2016 MACHINED WASHER M 16 STEEL IS.2016 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	2500			
140	MACHINED WASHER M36 IS:2016 MACHINED WASHER M36 STEEL IS:2016 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	500			
141	MACHINED WASHER M6 IS:2016 MACHINED WASHER M6 STEEL IS:2016 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	100			
142	MACHINED WASHER M20 IS:2016 MACHINED WASHER M20 STEEL IS:2016 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	1000			
143	MACHINED WASHER M24 IS:2016 MACHINED WASHER M24 STEEL IS:2016 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	2100			
144	SPRING WASHER M10 IS:3063 SPRING WASHER SIZE M10 SINGLE COIL, RECTSECTION, TYPE-B;STEEL,IS.3063 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	1100			
145	SPRING WASHER M12 IS:3063 SPRING WASHER M 12 SINGLE COIL RECT SECTION TYPE 'B' STEEL IS.3063 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	1500			
146	SPRING WASHER M16 IS:3063 SPRING WASHER SIZE M 16 SINGLE COIL RECT SECTION TYPE-B;STEEL.IS.3063 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	2000			
147	SPRING WASHER M20 IS:3063 SPRING WASHER M 20 SINGLE COIL RECT SECTION TYPE 'B' STEEL, IS 3063 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	2000			

SL NO	TECHNICAL DESCRIPTION	QTY (Nos)	GROUP	VENDOR COMMENTS ( To Specify Make )	VENDOR COMMENTS ( Quoted / Not Quoted )
148	SPRING WASHER M24 IS:3063 SPRING WASHER M 24 SINGLE COIL RECT SECTION TYPE 'B' STEEL IS 3063 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	4000	GROUP - 04		
149	SPRING WASHER M30 IS:3063 SPRING WASHER M.30 SINGLE COIL, RECT SECTION TYPE B, STEEL, IS-3063 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	1200			
150	SPRING WASHER M8 IS:3063 SPRING WASHER M 8 SINGLE COIL RECT SECTION TYPE-B,STEEL,IS 3063 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	300			
151	TAPER WASHER M12 IS:5372 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	2500			
152	TAPER WASHER M16 IS:5372 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	2500			
153	TAPER WASHER M24 IS:5372 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	1000			
154	TAPER WASHER M20 IS:5372 MAKE:TVS/GKW/UNBRAKO/LPS OR EQUIVALENT	800			