PLANT & MACHINERY (UNIT-I &II)

- **MACHINERY**



LIST OF MACHINERY (UNIT-1)

SL NO	MACHINE NAME	Qty	Model	Make	M/C No	Range/ Capacity
01	SANSHING COLD NUT FORGING	1	MULI STATION FORGING	San shing, Tiwan	HRSI/NF/SNG/01	M16
02	SANSHING COLD NUT FORGING	1	MULI STATION FORGING	San shing, Tiwan	HRSI/NF/SNG/02	M12
03	1" NUT FORMER	1	MULI STATION FORGING	National USA	HRSI/NF/NF/04	M30
04	M20 HEAVY NUT FORMER	1	MULI STATION FORGING	National USA	HRSI/NF/01	M24
05	NUT FORMER S2	1	MULI STATION FORGING	National Germany	HRSI/NF/02	M16
06	M20 LIGHT NUT FORGING	1	MULI STATION FORGING	National Germany	HRSI/NF/03	M24
07	M16 NUT TAPPING -1	1	NUT TAPPING MACHINE	CHINA	HRSI/TAP/M16/01	M16
08	M16 NUT TAPPING -2	1	NUT TAPPING MACHINE	CHINA	HRSI/TAP/M16/02	M16
09	M16 NUT TAPPING -3	1	NUT TAPPING MACHINE	CHINA	HRSI/TAP/M16/03	M16
10	TAPPING MACHINE-4	1	NUT TAPPING MACHINE	Nutap, Germany	HRSI/MAS33/01	MAS 33
11	TAPPING MACHINE-5	1	NUT TAPPING MACHINE	Nutap, Germany	HRSI/MAS33/02	MAS 33
12	TAPPING MACHINE-6	1	NUT TAPPING MACHINE	Nutap, Germany	HRSI/MAS20/01	MAS 20
13	TAPPING MACHINE-7	1	NUT TAPPING MACHINE	Nutap, Germany	HRSI/MAS20/02	MAS 20
14	TAPPING MACHINE-8	1	NUT TAPPING MACHINE	Nutap, Germany	HRSI/MAS20/03	MAS 20
15	TAPPING MACHINE-9	1	NUT TAPPING MACHINE	Nutap, Germany	HRSI/TAP/M12/01	M12

SL NO	MACHINE NAME	Qty	Model	Make	M/C No	Range/ Capacity
16	TAPPING MACHINE-10	1	NUT TAPPING MACHINE	Nutap, Germany	HRSI/TAP/M12/01	M12
17	TAPPING -VERTICAL HOT FORGING	1	NUT TAPPING MACHINE	Nutap, Germany	HRSI/TAP/M12/02	M12
18	HYDRAULIC ROLL THREAD -1	1	NUT TAPPING MACHINE	Nutap, Germany	HRSI/VTAP/01	UP TO M80
19	HYDRAULIC ROLL THREAD -2	1	THREAD ROLLING	Local Manufacturer in India	HRSI/HRTH/01	M80
20	HYDRAULIC ROLL THREAD -3	1	THREAD ROLLING	Local Manufacturer in India	HRSI/HRTH/02	M50
21	HYDRAULIC ROLL THREAD -4	1	THREAD ROLLING	Local Manufacturer in India	HRSI/HRTH/03	M50
22	COIL ANNEALING FURNACE PIT TYPE	1	THREAD ROLLING	Local Manufacturer in India	HRSI/HRTH/04	M39
23	SHEARING MACHINE	1	ROD CUTTING	INDIA	HRSI/SHM/01	50 MM DIA
24	BAND SAW MACHINE	3	ROD CUTTING	INDIA	HRSI/BNDS/01	200 MM DIA
25	INDUCTION HEATING MC	1	HEATING PURPOSE	INDIA	HRSI/PLSID/01	80 MM DIA
26	INDUCTION HEATING MC	1	HEATING PURPOSE	INDIA	HRSI/IDH/01	50 MM DIA
27	INDUCTION HEATING MC	1	HEATING PURPOSE	INDIA	HRSI/IDH/02	50 MM DIA
28	INDUCTION HEATING MC	1	HEATING PURPOSE	INDIA	HRSI/IDH/03	50 MM DIA
29	SPECIAL PURPOSE REDUSING M/C	1	LONG LENGTH FORGING/SPECIAL ITEM FORGING	INDIA	HRSI/SPRM/01	50 MM DIA @ ANY LENGTH
30	SPECIAL PURPOSE REDUSING M/C	1	LONG LENGTH FORGING/SPECIAL ITEM FORGING	INDIA	HRSI/SPRM/01	24 MM DIA @ ANY LENGTH

LIST OF MACHINERY (UNIT-1)

SL NO	4MACHINE NAME	Qty	Model	Make	M/C No	Range/ Capacity
31	SPECIAL PURPOSE FORGING M/C	1	LONG LENGTH FORGING/SPECIAL ITEM FORGING (WITH HEATING)	INDIA	HRSI/SPRM/01	36 MM DIA @ 200
32	CHINA FORGING PRESS	2	HOT FORGING	INDIA	HRSI/CH/HF/01 & 02	100 MT
33	FRICTION PRESS	1	HOT FORGING	INDIA	HRSI/FP/01	200 MT
34	POWER PRESS 1	2	HOT FORGING	INDIA	HRSI/PP/03	200 MT
35	POWER PRESS 2	1	HOT FORGING	INDIA	HRSI/PP/03	150 MT
36	POWER PRESS 3	1	HOT FORGING	INDIA	HRSI/PP/03	150 MT
37	COPYING MC	1	MACHINING	INDIA	HRSI/COPM/01	2" DIA
38	COPYING MC	1	MACHINING	INDIA	HRSI/COPM/02	2" DIA
39	BOREING & FACING	1	BOREING & FACING	INDIA	HRSI/B&FM/01	2" DIA
40	BOREING & FACING	1	BOREING & FACING	INDIA	HRSI/B&FM/02	2" DIA
41	CENTER DRILL MACHINE	1	DRILLING	INDIA	HRSI/ CDRL/01	2" DIA
42	SPRING WASHER CUTTING M/C	1	SPW MAKING	INDIA	HRSI/SPW/M16/01 &02	M16
43	SPRING WASHER CUTTING M/C	2	SPW MAKING	INDIA	HRSI/SPW/M24/01	M30
44	COILING M/C FOR SPRING WASHER	1	SPW MAKING	INDIA	HRSI/COIL/SPW/01	M39
45	REDUCING M/C FOR SPRING WASHER	1	SPW MAKING	INDIA	HRSI/RD/SPW/01	M39

COLD FORGING (HEX NUT, COLLAR)

MULTI STATION COLD FORGING (NATIONAL)



MULTI STATION COLD FORGING (NATIONAL)



HEX NUT TAPPING SECTION







ANTI RUST TREATMENT –GALVANIZED NUT (AFTER RE TAPPING)

OILED NUT

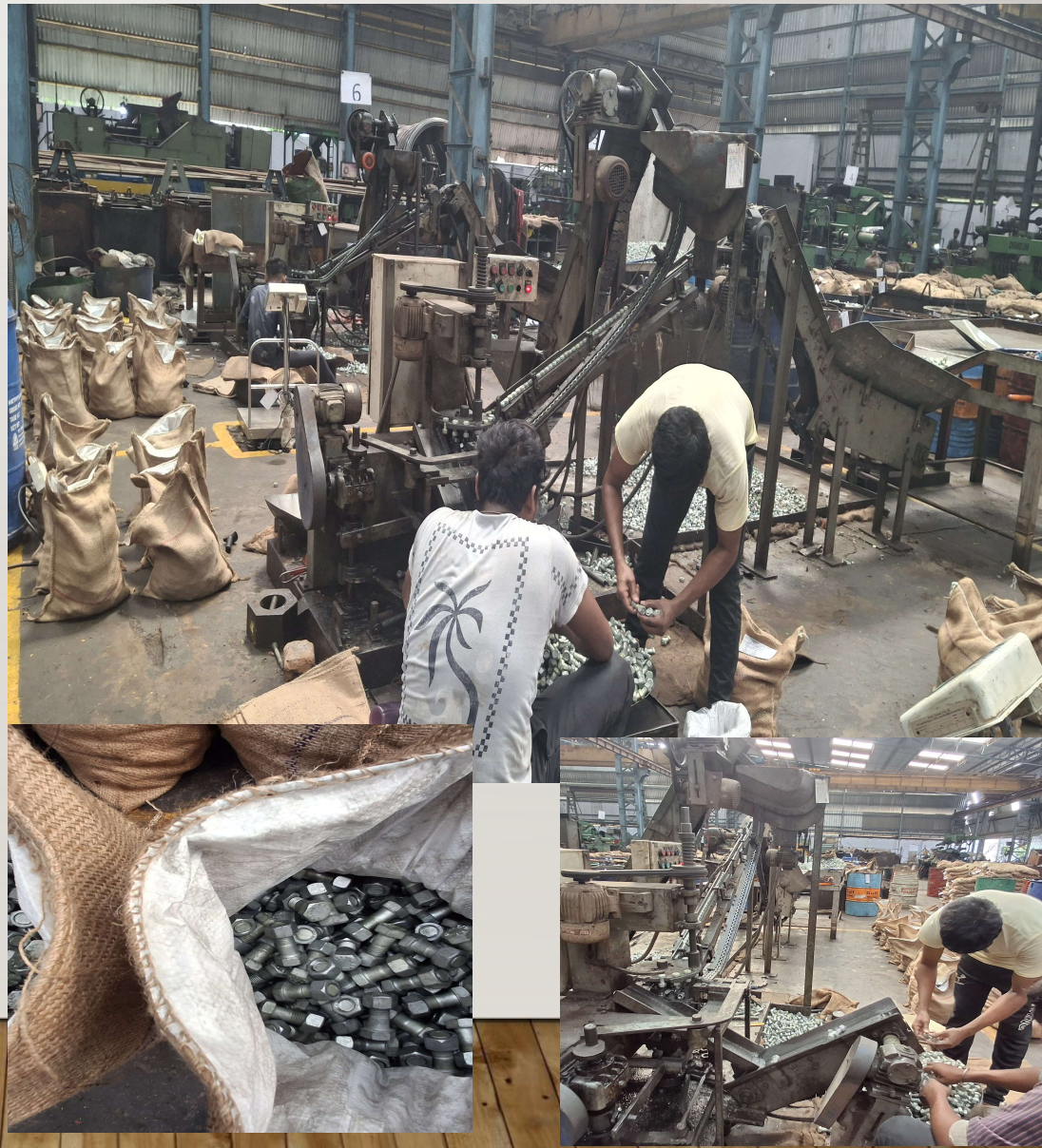


ANTI RUST OIL TREATMENT LINE



ASSEMBLY SECTION MANUAL & AUTOMATIC






UNIT-2
H R STEEL INDUSTRIES PVT. LTD
SANKRAIL INDUSTRIAL PARK, DHULAGORI, HOWRAH, 711302
GST NO-19AACCH2401B1ZB, CIN-U67120WB1989PTC047666



SL NO	MACHINE NAME	Qty	Model	Make	M/C No	Range/ Capacity
01	Wire Processing Unit	1 set	Acid Pickling/Phosphating	Indian	HRSI/WPP/01	All dias
02	Wire Drawing Machine	1	Wire Drawing Machine	Indian	HRSI/WD/01	M16 to M44
03	Wire Drawing Machine	1	Wire Drawing Machine	Indian	HRSI/WD/01	M16 to M35
04	Wire Drawing Machine	1	Wire Drawing Machine	Indian	HRSI/WD/02	M16 to 28mm
05	Wire Drawing Machine	1	Wire Drawing Machine	Indian	HRSI/WD/03	M16 to 22mm
06	Wire Drawing Machine	1	Wire Drawing Machine	Indian	HRSI/WD/04	M16
07	Wire Drawing Machine	1	Wire Drawing Machine	Indian	HRSI/WD/05	M16
08	Wire Drawing Machine	2	Wire Drawing Machine	Indian	HRSI/WD/06	5.5. to 12 mm
09	Pointing Machine	4	Wire Pointing Machine	Indian	HRSI/POM/01 -03	Up To M50
10	SAKAMURA, JAPAN	1	MULI STATION FORGING	JAPAN	HRSI/SKM/01	M30
11	GB HEADER BOLT FORMER	1	MULI STATION FORGING	Gb Header England	HRSI/ GBH/01	M24
12	M16 BOLT FORGING	4	MULI STATION FORGING	Local Manufacturer in India	HRSI/BM/M16/01	M16
13	M20 BOLT FORGING	1	MULI STATION FORGING	Local Manufacturer in India	HRSI/BM/M20/01	M20
14	3/4" BOLT MAKER, NATIONAL	1	MULI STATION FORGING	ENGLAND	HRSI/BM/M24/01	M24
15	M16 BOLT MAKER, NATIONAL	1	MULI STATION FORGING	ENGLAND	HRSI/BM/M16/01	M16

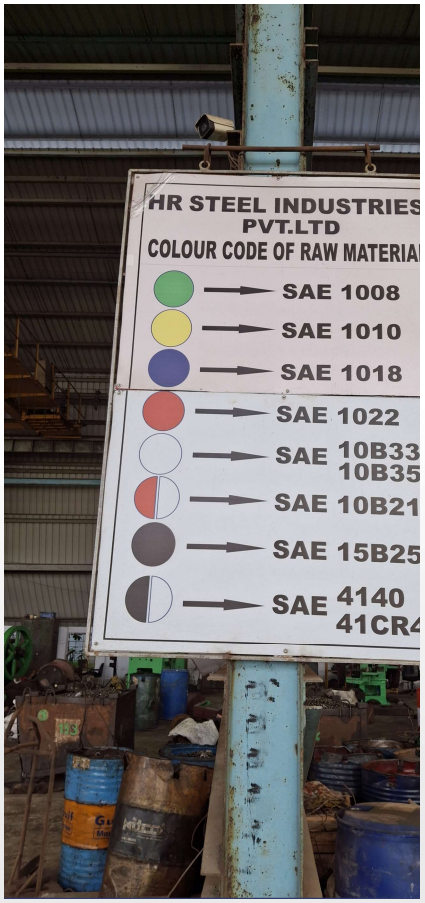
SL NO	MACHINE NAME	Qty	Model	Make	M/C No	Range/ Capacity
16	Double Blow Bolt Former (12" Header)	1	MULI STATION FORGING	Local Manufacturer in India	HRSI/BM/M22/01	M22
17	Double Blow Bolt Former (10" Header)	1	MULI STATION FORGING	Local Manufacturer in India	HRSI/BM/M12/01	M12
18	Trimming Machine	1	M30 Trimmer	Local Manufacturer in India	HRSI/TRIM/M30-01	M30
19	Trimming Machine	1	M24 Trimmer	Manufacturer in UK	HRSI/TRIM/HG/M24-01	M24
20	Trimming Machine	4	M16 Trimmer	Local Manufacturer in India	HRSI/TRIM/M16/1 TO 4	M16
21	Trimming Machine	1	M20 Trimmer	Local Manufacturer in India	HRSI/TRIM/M20/1 TO 4	M20
22	Trimming Machine	1	M12 Trimmer	Local Manufacturer in India	HRSI/TRIM/M20/1 TO 4	M12
23	Trimming Machine	1	M10 Trimmer	Local Manufacturer in India	HRSI/TRIM/M20/1 TO 4	M10
24	ROLL THREAD - 1	1	THREAD ROLLING	Local Manufacturer in India	HRSI/M30/RLTH/01	M30
25	ROLL THREAD - 2	2	THREAD ROLLING	Local Manufacturer in India	HRSI/ M24/RLTH/01 & 02	M24
26	ROLL THREAD - 3	1	THREAD ROLLING	Local Manufacturer in India	HRSI/M20/ RLTH/01	M20
27	ROLL THREAD -4	4	THREAD ROLLING	Local Manufacturer in India	HRSI/M16/RLTH/01	M16
28	ROLL THREAD -5	1	THREAD ROLLING	Local Manufacturer in India	HRSI/M16/RLTH/01	M22
29	ROLL THREAD -6	1	THREAD ROLLING	Local Manufacturer in India	HRSI/M16/RLTH/01	M16
30	ROLL THREAD -6	1	THREAD ROLLING	Local Manufacturer in India	HRSI/M16/RLTH/01	M10

HEATTREATMENT & SURFACE TREATMENT MACHINERY (UNIT-2)

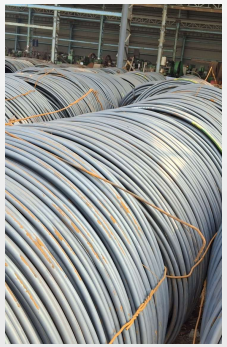
SL NO	MACHINE NAME	Qty	Model	Make	M/C No	Range/ Capacity
31	SHAKER HEARTH FURNACE SET	2 SETS	HT PROCESS	Local Manufacturer in India	HRSI/SHRTH/ 01	UP TO M30 MM
32	Mesh belt furnaces for continuous heat treatment	1 SET	HT PROCESS	Manufacturer in India	HRSI/MBT/ 01	UP TO M30 MM
33	Rotary Furnace	1 SET	HT PROCESS	Manufacturer in India	HRSI/ROTARY/ 01	
34	PIit Type Furnace	3 SETS	HT PROCESS	Local Manufacturer in India	HRSI/PTF/01, 02 & 03	ANY DIA
35	HOT DIP GALVANIZING PLANT	1 UNIT	SURFACE COATING HOT DIP GALVANIZING	Local Manufacturer in India	HRSI/ST/HDG/01	25 MT/DAY
36	ZINC PLATING PLANT	1 UNIT	SURFACE COATING (ZINC ELECTROPLATING)	Local Manufacturer in India	HRSI/EP/01	10 MT/DAY
37	ZINC PHOSPHATE COATING PLANT	1 UNIT	SURFACE COATING (ZINC PHOSPHATE)	Local Manufacturer in India	HRSI/ZF/01	15 MT/DAY

RAW MATERIAL SECTION

- We procure our wire rod exclusively from India's most reputed and technically advanced integrated steel plants. Our sourcing is strictly restricted to primary steel producers operating with modern, state-of-the-art manufacturing facilities and stringent quality control systems. We have established long-term supply partnerships with leading blast furnace-based integrated steel plants, including BPSL Sambalpur Works, Rashtriya Ispat Nigam Limite, (RINL) — Vizag Steel, Jayswal Neco Industries Limited, and Jindal Steel & Power Limited (JSPL)













RAW MATERIAL PROCESSING UNIT

PICKLING & PHOSPHATING UNIT



WIRE DRAWING UNIT







COLD FORGING PROCESS (HEX BOLTS, LOCK BOLTS, SHEAR STUDS)







COLD FORGING UNIT







ROLL THREAD & TRIMMING MACHINE







HOT FORGING UNIT (FOR ABOBE M30 DIA)









CNC MACHINING SECTION

SURFACE TREATMENT PLANT

HOT DIP GALVANIZING PLANT





ELECTROPLATING PLANT





DESPATCH SECTION

MATERIALS READY FOR DESPATCH





LOADING & UNLOADING BAY



PHYSICAL & CHEMICAL LABORATORY

UNIVERSAL TESTING MACHINE (40T)



NABL ACCREDITATION (ISO/IEC 17025 :2017



ROCKWELL HARDNESS TESTER & PROOF LOAD EXTENSION MEASUREMENT FIXTURE

DIGITAL ROCKWELL TESTER



ROCKWELL HARDNESS TESTER



TESTING MACHINE

UNIVERSAL TESTING MACHINE



IMPACT TESTING MACHINE



CANTILEVER TESTING FIXTURE



SPECTROMETER (GERMANY) & SURFACE GRINDING MACHINE

SURFACE GRINDING MACHINE



SPECTROMETER



MICROSCOPE WITH IMAGE ANALYSER & SURFACE POLISING MACHINE

SURFACE POLISING MACHINE



MICROSCOPE WITH IMAGE ANALYSER

