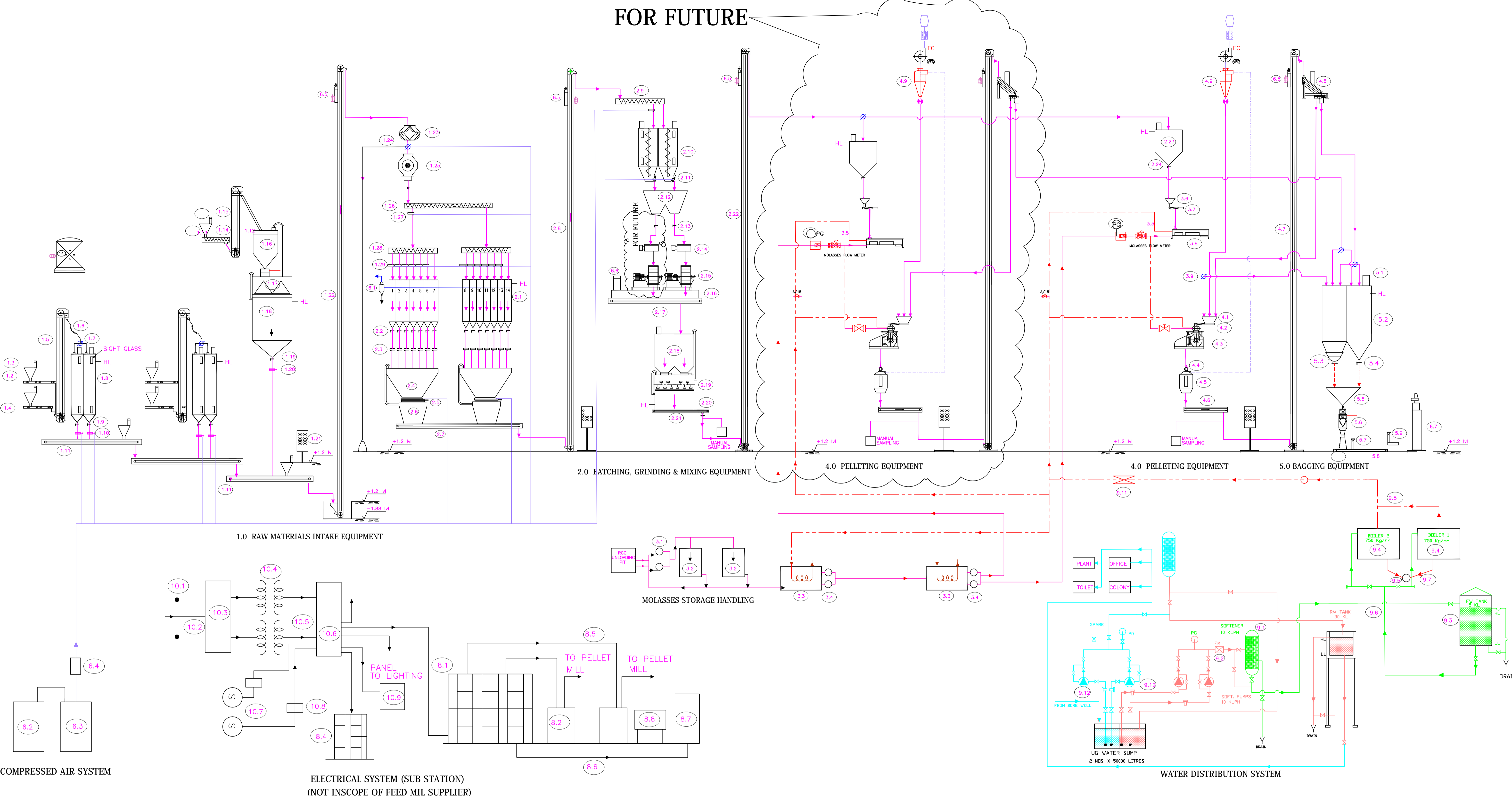


FOR FUTURE



1.0 RAW MATERIALS INTAKE EQUIPMENT	2.0 BATCHING, GRINDING & MIXING EQUIPMENT	3.0 MOLASSES STORAGE & EQUIPMENT (FOR FUTURE)	5.0 BAGGING EQUIPMENT	8.0 ELECTRICAL EQUIPMENT (LT)	10.0 H.T. ELECTRICAL INSTALLATION	
1.1 BAG CLEANING MACHINE 250 BAGS / HR 1.2 INTAKE DUMPING HOPPER WITH GRILL 2.5 X 1.0M 1.3 ASPIRATION UNIT FOR DUMP HOPPER 1.4 CROSS CHAIN CONVEYOR 20 TPH 1.5 INTERMEDIATE BUCKET ELEVATOR 20 TPH 1.6 HUMP BACK MAGNET / SPOUT MAGNET 1.7 MANUAL 2 WAY FLAP BELOW MAGNET 1.8 DAY STORAGE BIN -MS 30 CUM 1.9 MANUALLY OPERATED CHAIN GATE BELOW DAY STORAGE BIN 1.10 PNEUMATIC SLIDE GATE BELOW DAY STORAGE BIN 1.11 MAIN INTAKE CHAIN CONVEYOR 30 TPH 1.12 INTAKE DUMPING HOPPER WITH GRILL FOR PRE MIX 1.0 X 0.6M 1.13 ASPIRATION UNIT WITH SUCTION HOOD FOR DUMP HOPPER PRE MIX 1.14 FEED SCREW CONVEYOR FOR PRE MIX PLANT 10 TPH 1.15 INTAKE BUCKET ELEVATOR FOR PRE MIX PLANT 10 TPH 1.16 HOPPER ABOVE PREMIX 500 KG / BATCH 1.17 PREMIX BATCH MIXER BATCH MIXER 3 MT 1.18 HOPPER BELOW PREMIX BATCH MIXER 3 MT 1.19 MANUALLY OPERATED CHAIN GATE BELOW 3 MT HOPPER 1.20 PNEUMATIC SLIDE GATE BELOW 3 MT HOPPER 1.21 REMOTE CONTROL PANEL IN RMG 1.22 INTAKE BUCKET ELEVATOR 30 TPH 1.23 PNEUMATIC DIAMOND SHAPED CASCADE MAGNET 30 TPH 1.24 PNEUMATIC 2 WAY FLAP BELOW CASCADE MAGNET 1.25 HITE TWINE REMOVER 30 TPH 1.26 CROSS SCREW CONVEYOR 30 TPH 1.27 PNEUMATIC SLIDE GATE BELOW CROSS CONVEYOR 1.28 DISTRIBUTION CHAIN CONVEYOR 30 TPH 1.29 PNEUMATIC SLIDE GATE BELOW DISTRIBUTION CONVEYOR	2.1 PRE-WEIGHING BIN 35 CUM 2.2 MANUALLY OPERATED CHAIN GATE BELOW PW BIN 2.3 SCREW / IMPELLER TYPE BIN DISCHARGER 2.4 AUTOMATIC BATCH WEIGHER 0.75 MT 2.5 PNEUMATIC FLAP BELOW BATCH WEIGHER 2.6 SURGE HOPPER 1.0 MT BELOW BATCH WEIGHER 2.7 BATCH CHAIN CONVEYOR 20 TPH 2.8 BATCH BUCKET ELEVATOR 20 TPH 2.9 SCREW CONVEYOR AT ELEVATOR OUTLET 20 TPH 2.10 VERTICAL MIXER 1.5 MT 2.11 PNEUMATIC SLIDE GATE AT OUTLET OF VERTICAL MIXER 2.12 COMMON HOPPER BELOW VERTICAL MIXER 2.13 MANUALLY OPERATED CHAIN GATE AT OUTLET OF COMMON HOPPER 2.14 FEEDER FOR HAMMER MILL 10 TPH 2.15 FULL CIRCLE BOTTOM DISCHARGE TYPE HAMMER MILL 10 TPH 2.16 BOTTOM COLLECTION HOPPER BELOW HAMMER MILL 2.17 POWDER CONVEYOR 20 TPH FOR HAMMER MILL 2.18 HOPPER 1.5 MT ABOVE BATCH MIXER 2.19 PADDLE TYPE BATCH MIXER WITH PNEUMATIC GATE/FLAP 1.5 MT 2.20 HOPPER 2 MT BELOW BATCH MIXER 2.21 DISCHARGE CHAIN CONVEYOR 20 TPH 2.22 MIXED FEED ELEVATOR 20 TPH 2.23 MIXED FEED BIN 5 MT 2.24 MANUALLY OPERATED CHAIN GATE BELOW MIXED FEED BIN	3.1 MOLASSES UNLOADING PUMP 20 KLPH 3.2 MOLASSES STORAGE TANK 800 MT 3.3 MOLASSES DAY TANK - 1 KL 3.4 MOLASSES FEEDING PUMP 1 KLPH 3.5 MOLASSES FLOW METER 1000 LPH 3.6 FEED HOPPER FOR MOLASSES MIXER 3.7 FEEDER FOR MOLASSES MIXER 10 TPH 3.8 MOLASSES MIXER 10 TPH 3.9 PNEUMATIC 2 WAY FLAP BELOW MOLASSES MIXER	4.0 PELLETING EQUIPMENT 4.1 FEED HOPPER FOR PELLET MILL 4.2 FEEDER FOR PELLET MILL 10 TPH 4.3 PELLET MILL WITH DOUBLE LAYER CONDITIONER 10 TPH 4.4 ROTARY FEEDER FOR PELLET COOLER 10 TPH 4.5 COUNTER CURRENT TYPE PELLET COOLER 12 TPH 4.6 PELLET CHAIN CONVEYOR 20 TPH 4.7 BUCKET ELEVATOR 20 TPH 4.8 PELLET SIEVE 10 TPH 4.9 PELLET COOLER CYCLONE SEPARATOR WITH AIR LOCK, BLOWER, & SILENCER	5.0 BAGGING EQUIPMENT 5.1 PNEUMATIC 2 WAY FLAP ABOVE BAGGING BIN 5.2 BAGGING BIN 20 CUM 5.3 BIN ACTIVATOR 20 TPH 5.4 MANUALLY OPERATED CHAIN GATE BELOW BAGGING BIN 5.5 HOPPER FOR BAGGING MACHINE 5.6 ELECTRONIC LOAD CELL BASED BAGGING M/C 20 TPH 5.7 HEAVY DUTY STITCHING MACHINE 5.8 SLAT CONVEYOR 5.9 DIAL WEIGH SCALE 100 KG	8.0 ELECTRICAL EQUIPMENT (LT) 8.1 MCC FOR FEED MILL 8.2 SOFT START STARTERS FOR PELLET MILL 8.3 REMOTE PANELS FOR FEED MILL 8.4 MCC FOR SERVICE BLOCK 8.5 POWER CABLES 8.6 CONTROL & SIGNAL CABLES 8.7 PLC PANEL WITH SOFTWARE 8.8 CONTROL DESK WITH COMPUTER	10.0 H.T. ELECTRICAL INSTALLATION 10.1 TWO POLE STRUCTURE 11KV 10.2 H.T. CABLE 11 KV 10.3 H.T. PANEL 11 KV 10.4 TRANSFORMER - 11KV 500 KVA 10.5 L.T. CABLE 10.6 POWER CONTROL CENTRE 10.7 D.C. SET 500 KVA 10.8 D.C. SET PANEL 10.9 POWER FACTOR IMPROVEMENT PANEL
6.0 ASPIRATION EQUIPMENT 6.1 ASPIRATION UNIT FOR PRE WEIGHING BINS 6.2 AIR COMPRESSOR WITH DRIER FOR FLAPS, ASPIRATION ETC 6.3 AIR RECEIVER 3000 LITRE 6.4 COMPRESSED AIR PIPING 6.5 ASPIRATION UNIT FOR ELEVATOR 6.6 ASPIRATION SYSTEM FOR HAMMER MILL 6.7 ASPIRATION UNIT FOR BAGGING		9.0 STEAM GENERATION, FUEL HANDLING & DISTRIBUTION EQUIPMENT 9.1 WATER SOFTENING PLANT 10 KL/REG 9.2 WATER FLOW METER 9.3 FEED WATER STORAGE TANK 5 KL 9.4 OIL FIRED BOILER 0.75 TPH 9.5 COMMON CHIMNEY FOR BOILERS 9.6 WATER PIPING FOR BOILER HOUSE 9.7 EXHAUST DUCTING FOR BOILERS 9.8 STEAM PIPING (HIGH PRESSURE) 9.9 STEAM PIPING (LOW PRESSURE) 9.10 STEAM FLOW METER 9.11 PRESSURE REDUCING STATION FOR PELLET MILLS-1000 Kg/Hr 9.12 RAW WATER PUMP 20 KLPH		LEGENDS FLOW LINE STEAM LINE MOLASSES LINE AIR LINE SOFT WATER LINE FILTERED WATER LINE RAW WATER LINE		

NATIONAL DAIRY DEVELOPMENT BOARD ANAND (GUJARAT) INDIA			
SR. NO.	DATE	REVISION DESCRIPTION	APPROVAL
3.			
2.			
1.			
PROJECT NAME:		CATTLE FEED PLANT	
JOB TITLE:		TYPICAL FLOW DIAGRAM OF CFP (150 MTPD EXPND. TO 300 MTPD)	
DRG. TO BE READ IN			
DRG. NO.	AN.00000.03.01.D.00	SHT NO.	1 OF 1
CAD FILE			