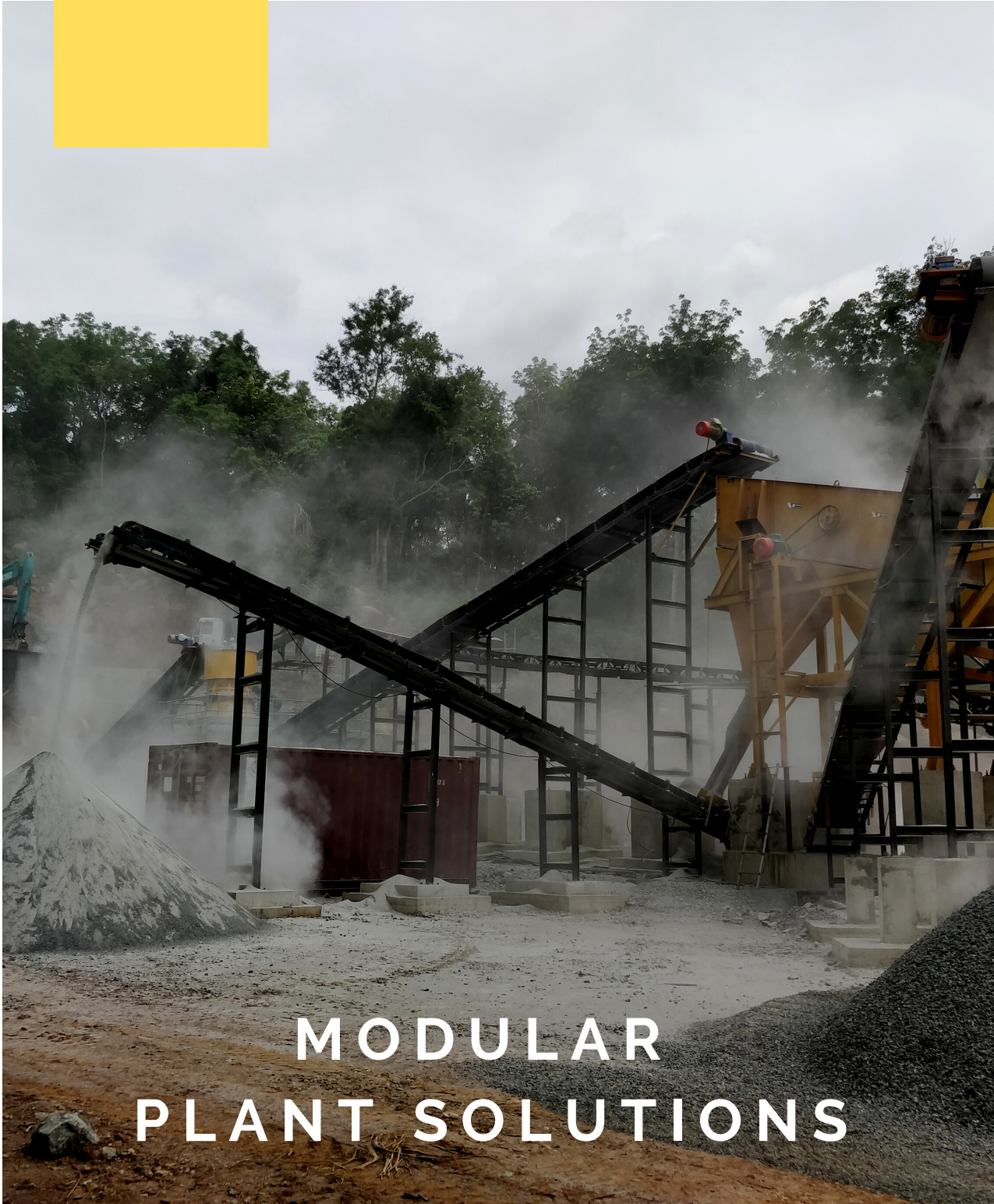




BPA PROJECTS

WWW.CRUSHERS.AGARWALLA.COM



MODULAR PLANT SOLUTIONS

40 TPH

CRUSHING MEDIOCRITY.

WHAT DO WE OFFER?



QUALITY

WITH ALL OUTSOURCED EQUIPMENTS AND MATERIALS OF REPUTED MAKE, WE CAREFULLY SELECT EACH SOLUTION TO MEET YOUR NEEDS OF PRODUCTION & QUALITY. ALONG WITH THAT, WE ALSO ENSURE EFFORTLESS AFTER SALES NETWORK AND SERVICE.



SAFETY

EACH OF OUR SOLUTIONS IS EQUIPPED WITH OPTIONAL SAFETY FEATURES INCLUDING ELR, CBCTS AND STANDARD FEATURES OF THE CONTROL SYSTEM WITH EMERGENCY STOPS ON ALL MACHINERIES.



EXPERIENCE

WITH OVER 75 YEARS OF INDUSTRY EXPERIENCE AND INNOVATION, STATE OF THE ART R&D AND 24X7 SERVICE, WE ARE RELIABLE PARTNERS IN CRUSHING.



TOTALITY

WE ARE A ONE STOP SHOP WHERE EACH PLANT DELIVERY INCLUDES EQUIPMENT, MACHINES, CONVEYORS; ALL STEEL WORKS, ELECTRICAL CABINETS AND ACCESSORIES AND SERVICES INCLUDING PLANNING, TRANSPORTATION, INSTALLATION AND COMMISSIONING.



WE ENSURE SAVINGS OF OVER 30% IN CAPEX

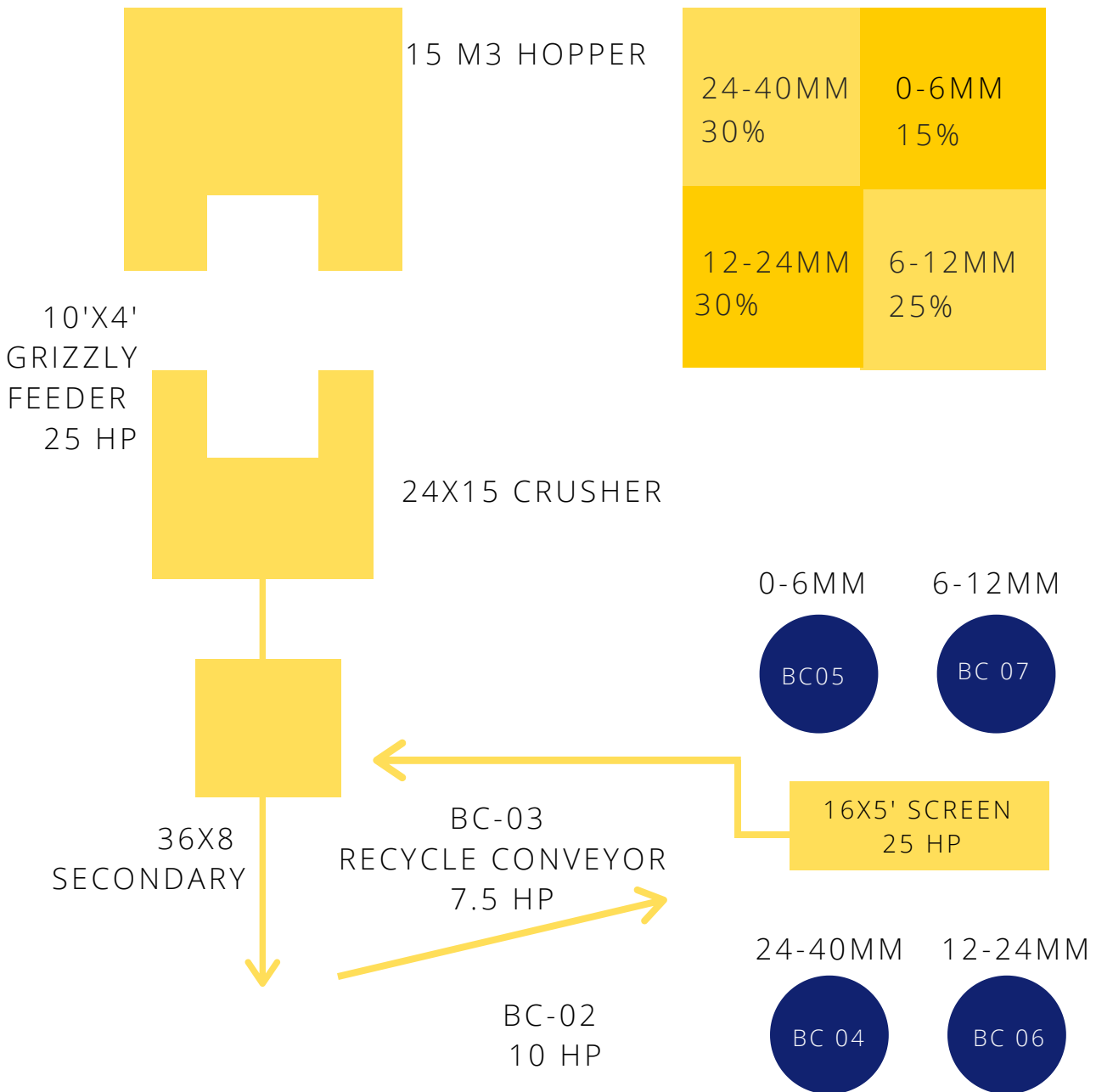
BPA SOLUTIONS FOR AGGREGATES CRUSHING AND SCREENING ARE BUILT USING PRE-DESIGNED MODULES, WHICH ALLOW QUICK DELIVERY AND EASY ASSEMBLY TO GET YOUR PLANT UP AND RUNNING IN THE TIME YOU WANT. WHETHER YOU ARE BUILDING A COMPLETELY NEW PLANT OR UPGRADING YOUR EXISTING PLANT, BPA PROVIDES HIGH EFFICIENCY AND INDUSTRIAL PERFORMANCE FOR QUICK RETURN ON INVESTMENT.





RAMP ROAD 40TPH PLANT- JAW/JAW

FEED: 0-350MM
POWER: 180 HP





PRIMARY JAW CRUSHER

SIZE: 24"X15"

POWER: 40 HP

FEED OPENING: 350 MM

MACHINE WEIGHT:
16,500 LBS

TOGGLE MECHANISM:
SINGLE TOGGLE

LUBRICATION:
GREASE COOLED

CSS ADJUSTMENT:
MECHANICAL

THESE HEAVY DUTY MACHINES ARE THE PERFECT SOLUTION TO OPTIMISE YOUR CRUSHING CHAMBER, LARGE BOULDER SIZE, REDUCING THE COST OF MINING AND BREAKING, DECREASING YOUR INPUT COST OF BOULDER WHICH GIVES YOUR INCREASED MARGINS AND PROFITABILITY. A SINGLE OF THIS MACHINE AT ITS MAXIMUM THROUGHPUT CAN EASILY GO BEYOND 100 TPH.

THESE MACHINES ARE FULLY FABRICATED WITH MILD STEEL HEAVY DUTY PITMAN FOR GREATER STRENGTH LIFE. IT COMES WITH AN OPTIONAL MODULAR ATTACHMENT, A BOTTOM SKID STRUCTURE MADE FROM C SECTIONS AND I SECTIONS. BELT GUARDS AND ANTI VIBRATION PADS CAN BE ARRANGED ON REQUEST. IF USED FOR PRIMARY ATTACHMENTS, ITS THROUGHPUT AT -10 INCHES CAN GO ALL THE WAY UPTO 150 TONS PER HOUR.



SECONDARY JAW CRUSHER

SIZE: 36"X8"

POWER: 40 HP

FEED OPENING: 200 MM

MACHINE WEIGHT:
21,500 LBS

TOGGLE MECHANISM:
SINGLE TOGGLE

LUBRICATION:
GREASE COOLED

CSS ADJUSTMENT:
MECHANICAL

GAP ADJUSTMENTS:
SHIM PLATES

BPA OFFERS INDUSTRY'S MOST HEAVY DUTY SECONDARY CRUSHER MACHINE IN LINE WITH BRITISH ASSEMBLY STANDARDS FOR HARD STONE APPLICATIONS. CR-SI-MN-MO SAE 4140 (42CR, MO4) STEEL ECCENTRIC SHAFT IS X-RAY PASSED BEFORE BEING FITTED IN THE MACHINE. IT COMES ALONG WITH A HEAVY DUTY I SECTION BASE FRAME AND ANTI VIBRATION PADS ON REQUEST. STANDARDIZED PARTS AND ACCESSORIES ARE USED TO ENSURE EASE OF MAINTENANCE GLOBALLY.

EACH MACHINE IS FULLY FITTED WITH MILD STEEL FABRICATION STRUCTURES AND ALLOY STEEL CAST ITEMS. HIGH MANGANESE- CHROME CASTINGS ARE USED IN WEARING PARTS WITH OVER 18% COMPOSITION OF ALLOYS. ADJUSTING RODS AND EXTRA SHIM PLATES COME AS A STANDARD ACCESSORY. FOR THE OVERSEAS MARKET, DRAWINGS FOR THE NON WEARING EMERGENCY PARTS ARE ALSO PROVIDED IN CASES OF EMERGENCY ENSURING PARTS ARE PROCURED LOCALLY WITH MINIMUM DOWNTIME. EXTENDED WARRANTY CAN ALSO BE PROVIDED AT AN EXTRA COST.



SCREENING SECTION (INCLINED TYPE)

SCREEN SIZE:
16'X5' - 3 OR 4 DECK

MESH TYPE:
WIRE MESH

MOTOR POWER:
25 HP

CHUTES:
3 WAY FRONT +
2 WAY BOTTOM

BPA INCLINED SCREENS OFFER RELIABLE AND VERSATILE SCREENING IN AGGREGATE PRODUCTION PLANTS, QUARRIES, GRAVEL PITS AND MINING OPERATIONS. THEIR CIRCULAR MOTION AND VARIABLE SLOPE HELP YOU ACHIEVE A HIGH PRODUCTION CAPACITY AND IMPROVE PROFITABILITY.

THEY ARE CIRCULAR MOTION SCREENS, WHERE THE SHAFT LINE IS POSITIONED AT THE CENTRE OF GRAVITY RESULTING IN A CIRCULAR MOTION ON ALL POINTS OF THE SCREEN. THE PARTICLES ARE MOVED FORWARD BY THE SCREEN MOTION AND BY THE GRAVITY EFFECT RESULTING FROM THE SCREEN ANGLE. THE TRAVEL SPEED OF THE MATERIAL IS EVEN ALL ALONG THE DECKS. THEY ARE ALSO OFTEN RECOMMENDED FOR PRIMARY APPLICATIONS WITH VERY COARSE FEED GRADATION. COMES WITH A STANDARD ATTACHMENT OF MAINTENANCE WALKWAYS, HANDRAILS AND STAIRCASES.



PRIMARY DUMP HOPPER

15 CUM. DUMP
HOPPER WITH
ADDED MS LINERS
FOR INCREASED
STRENGTH AND
HIGH WEAR LIFE

THIS MEGA STRUCTURE IS FULLY FABRICATED WITH 12MM MAIN PLATE HAVING ADDITIONAL 6MM INSIDE LINERS FOR ADDITIONAL STRENGTH AND GREATER LIFE. AVAILABLE IN 2 TYPES OF DESIGN: STANDARD V TYPE STORAGE DESIGN AND A BOX TYPE AS PER INPUT FEED SIZE OF THE CRUSHER. IT COMES WITH STANDARD DOUBLE C SECTION LEG SUPPORTS AND BRACING ANGLES. STANDARD STORAGE AREA IS 15 CU.M. FOR TRANSPORTATION EASE, THE ENTIRE HOPPER CAN BE OPENED UP FLAP WISE IN SKD CONDITION AND REASSEMBLED AT SITE FOR IMMEDIATE INSTALLATION. SIZES ARE AVAILABLE UPTO 40CU.M



FEEDER

10'X4' VIBRATING FEEDER
MOTOR REQUIRED:
25 HP 10MM
BODY PLATE WITH 10MM
BEARING SUPPORT
PLATE
OPTIONAL GRIZZLY
BARS FOR FINES
AND QUARRY DUST BYPASS
SIDE FLAPS FOR BETTER FEED
CONTROL
PENDANT CONTROLLER ON
ORDER

A STANDARD 12 X'4' VIBRATING FEEDER IS USED TO REGULATE FEED SIZE IN THE PRIMARY BOULDER MACHINE. IT CAN EITHER BE PROVIDED WITH A VARIABLE FREQUENCY DRIVE TO CONTROL FEED INTO THE CRUSHER OR AN INDEPENDENT CONTROL PENDANT, TO OPERATE FROM THE WORKING STATION.



CONVEYOR ACCESSORIES

BODY & LEG SUPPORT
FABRICATION:
5" CHANNEL C SECTION

BEARINGS & PLUMMER
BLOCK:
65MM

BELT WIDTH:
3 PLY M24 GRADE
PURE NN

FLANGE TYPE MOTORS
WITH BEVEL HELICAL
GEARBOX

BPA OFFERS THE MOST RUGGED , HEAVY DUTY CONVEYOR SYSTEM THAT LASTS FOR YEARS WHEN FOLLOWED THE RIGHT MAINTENANCE STANDARDS. 89MM AND 114MM HEAVY DUTY IDLERS ARE PROVIDED FOR FREE FLOWING MOVEMENT OF THE SYSTEM. IMPACT IDLERS ARE RUBBER LAGGED TO PROTECT THE BELT QUALITY WITH ANTI SPILLAGE GUARDS AND SKIRTINGS OFFERED AS STANDARD ATTACHMENTS TO ENSURE A CLEAN CRUSHING ENVIRONMENT. ALL HEAD DRUMS ARE LAGGED WITH 12MM RUBBER PADDING TO ENSURE MAXIMUM COEFFICIENT OF FRICTION AND MINIMUM TRANSMISSION LOSS. DIRECT INPUT SHAFT BEVEL HELICAL GEARBOX AND FLANGE TYPE B5 MOTORS ARE USED WITH INDEPENDENT TORQUE ARM



BPA AT WORK



STANDARD MEASURES OF SAFETY.



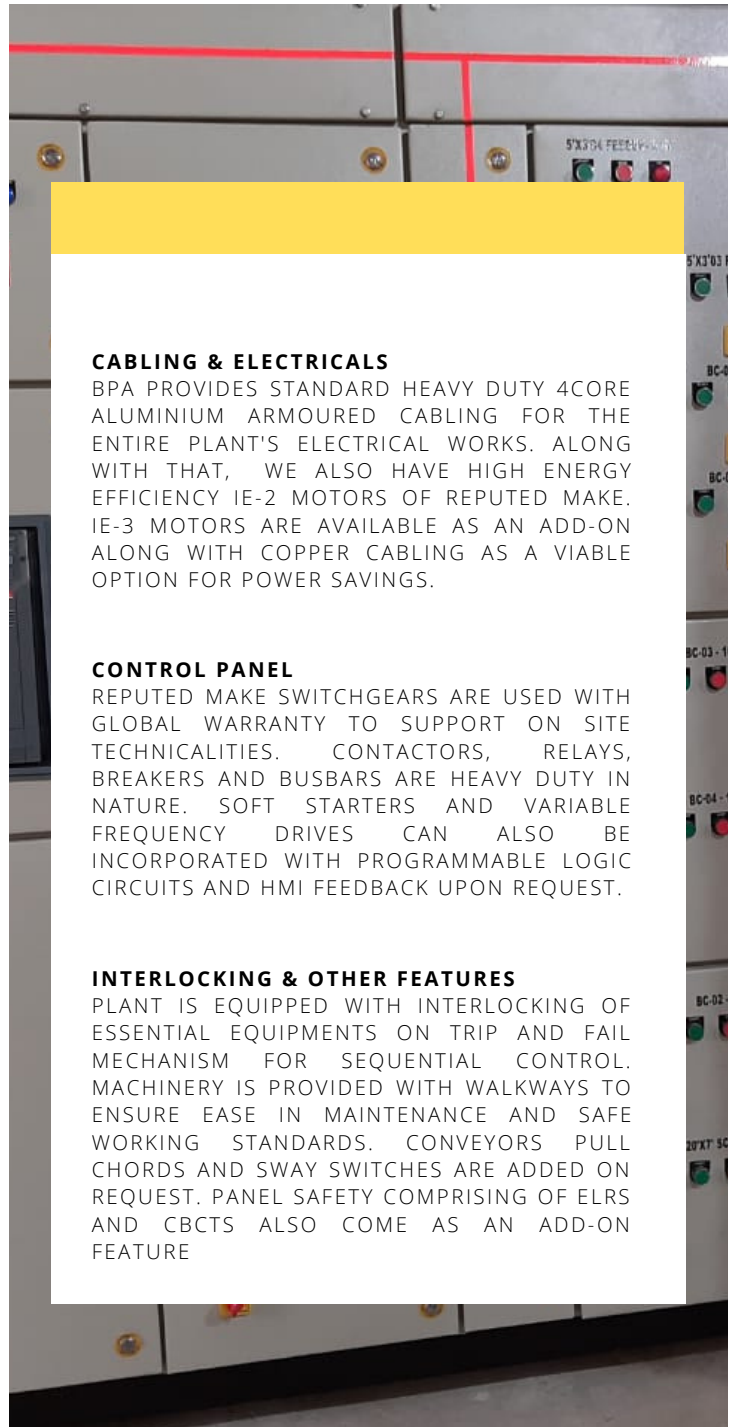
CABLING AND ELECTRICALS



INTERLOCKING & OTHER FEATURES



CONTROL PANELS



CABLING & ELECTRICALS

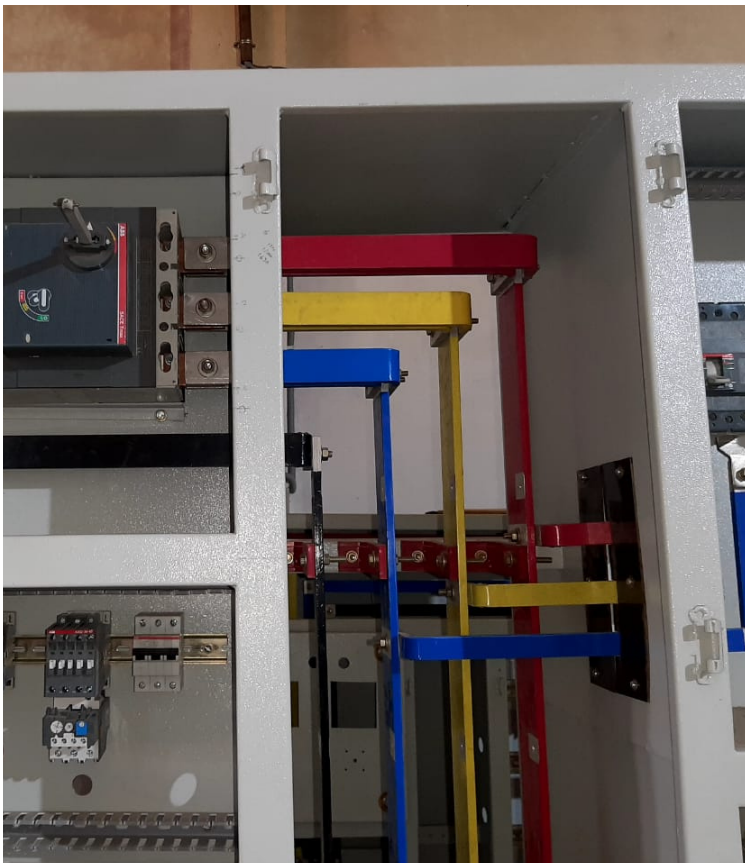
BPA PROVIDES STANDARD HEAVY DUTY 4CORE ALUMINIUM ARMoured CABLING FOR THE ENTIRE PLANT'S ELECTRICAL WORKS. ALONG WITH THAT, WE ALSO HAVE HIGH ENERGY EFFICIENCY IE-2 MOTORS OF REPUTED MAKE. IE-3 MOTORS ARE AVAILABLE AS AN ADD-ON ALONG WITH COPPER CABLING AS A VIABLE OPTION FOR POWER SAVINGS.

CONTROL PANEL

REPUTED MAKE SWITCHGEARS ARE USED WITH GLOBAL WARRANTY TO SUPPORT ON SITE TECHNICALITIES. CONTACTORS, RELAYS, BREAKERS AND BUSBARS ARE HEAVY DUTY IN NATURE. SOFT STARTERS AND VARIABLE FREQUENCY DRIVES CAN ALSO BE INCORPORATED WITH PROGRAMMABLE LOGIC CIRCUITS AND HMI FEEDBACK UPON REQUEST.

INTERLOCKING & OTHER FEATURES

PLANT IS EQUIPPED WITH INTERLOCKING OF ESSENTIAL EQUIPMENTS ON TRIP AND FAIL MECHANISM FOR SEQUENTIAL CONTROL. MACHINERY IS PROVIDED WITH WALKWAYS TO ENSURE EASE IN MAINTENANCE AND SAFE WORKING STANDARDS. CONVEYORS PULL CHORDS AND SWAY SWITCHES ARE ADDED ON REQUEST. PANEL SAFETY COMPRISING OF ELRS AND CBCTS ALSO COME AS AN ADD-ON FEATURE



EVERY STEP OF THE WAY

WEEK 0

DESIGN

WEEK 2

MANUFACTURING

WEEK 6

PRE-SHIPMENT & DELIVERIES

WEEK 8

INSTALLATIONS & TESTING

WEEK 10

TRIALS & TRAINING

WEEK 11

SERVICES & DEMO

WEEK 12

HAND OVERS





CRUSHING & SCREENING WITH BPA



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LUCKNOW,
UTTAR PRADESH



MUMBAI,
MAHARASHTRA



GUWAHATI,
ASSAM



HYDERABAD,
TELANGANA



KOLKATA,
WEST BENGAL



CHENNAI,
TAMIL NADU

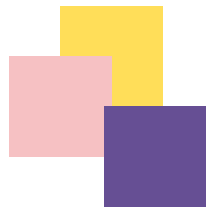


MEHSANA,
GUJARAT



BARABANKI,
UTTAR PRADESH

**FOR MORE INFORMATION ABOUT AGARWALLA MINERAL PROCESSING EQUIPMENTS AND
OTHER PRODUCTS, CONTACT A BPA TECHNICAL ADVISOR.**



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