

#	Section	Description	Details
1		Style	Skid Base Lighting Plant
2	Base	Skids	<ul style="list-style-type: none"> • Australian made steel • Removable 300mm I beam • 12 on 12 Dura Plate wear plates fitted • 45 degree approach angled for mine terrain
3		Sled Base	<ul style="list-style-type: none"> • Australian made steel • Surrounded by heavy duty pipe for pushing protection from dozer blade • Anderson mesh anti slip flooring • Clear floor thinking no exposed bolts • Heavy duty under deck cable tray • Toeing points front and rear • Lifting points • Handrails and kick rails fitted to deck area
4	Power Plant	Engine Air Cooled Diesel Hatz 1D81C	<ul style="list-style-type: none"> • German designed and built • Single cylinder balanced engine • 6.7 HP @ 1500rpm 8 HP @ 1800 • Silent pack • 12 or 24V • Deep Sea Controller 402MK2 key ignition • Shut down system low oil press & high temp • Hour meter for total cumulative hours • Remote start capability • Tier IV emission compliant <p>Options</p> <ul style="list-style-type: none"> • Deep Sea 3110 controller • Integral spark arrestor in exhaust system
4a	Power Plant	Fuel Tank	<ul style="list-style-type: none"> • Steel construction baffled • 220 ltr capacity • Bundled standard • Wiggans Quick Fill and Breather System • Drain and sample point • Cav water trap filtration system <p>Options</p> <ul style="list-style-type: none"> • Wiggans Zero Pressure Fill System • Double skin pressure tested • Analogue dial, fuel level gauge with protection
4b	Power Plant	Modular	<ul style="list-style-type: none"> • Engine Alternator Fuel Tank canopy is a modular format allowing power pack to be removed and a spare unit fitted if ever required • Removable canopy roof

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5	Alternator	Sincro	<ul style="list-style-type: none"> Italian designed and built Multi voltage Internally regulated 250Amp
6	Boom	Mast	<ul style="list-style-type: none"> Full steel construction Fail safe knuckle style boom Hydraulic counterbalanced Stauff rails fitted for hydraulic and electrical conduit Brass bushes and greasable pins fitted to all pivots for serviceability
6a	Boom	Stick	<ul style="list-style-type: none"> Full steel construction Fail safe knuckle style Hydraulic counter balanced Stauff rails fitted for hydraulic and electrical conduit Brass bushes and greasable pins fitted to all pivots for serviceability
6b	Boom	Slew	<ul style="list-style-type: none"> 800 mm Dia heavy duty greasable roller gear slew bearing enclosed for safety Hydraulic driven slew ring fitted with counter balance valves
7	Hydraulics	Power Pack	<ul style="list-style-type: none"> 24Volt 3kw power pack 18 ltr hydraulic oil tank Max system pressure: 150 Bar Maximum system flow: 10 LPM
7a	Hydraulics	Hoses & Pipes	<ul style="list-style-type: none"> Stainless steel tubing running the lengths of the mast and stick clamped by stauff clamps every 600 to 800 mm Pressure tested hoses marked for identification and part numbered <p>Options</p> <ul style="list-style-type: none"> Kevlar sheaving for all hydraulic hoses in close proximity to lighting plant control tower
8	Lights	Main LED lights	<ul style="list-style-type: none"> 24Volt Coolon 4 x CP56 0209 lamps 4 x CP56 L07 lamps Bis alloy mounting brackets
8a	Lights	Deck area LED lights	<ul style="list-style-type: none"> 2 X 24Volt LED flood lights for deck and controls

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9	Electrical	Batteries	<ul style="list-style-type: none"> • 2 x N200 lead acid batteries • Stainless steel batter box • Gas strut and hinged stainless steel lid • Rubber coated underside of lid • Jump start receptacle and cover
9a	Electrical	Cabinets	<ul style="list-style-type: none"> • Stainless steel, triangle key locked doors swinging from right to left where practical • IP66 rated
9b	Electrical	Wiring	<ul style="list-style-type: none"> • Exaine Cable used for control wiring • 4 main lighting cables 4 core and earth double insulated running through tubing and hose up boom and mast held with stauff clamps • Bootlace ends at terminations
9c	Electrical	Protection	<ul style="list-style-type: none"> • Bosch red dual pole lockable isolator mounted on battery box • Main alternator resettable circuit breakers • Individual light circuit breakers resettable • RCD protection • 2 x emergency shutdowns
9d	Electrical	Shutdown	<ul style="list-style-type: none"> • Automatic timer or photocell available with the ability to swap between either as required • Engine protection for low oil press and overheat • Alternator failure
10	Control	Optional Remote Control Operation	<ul style="list-style-type: none"> • Hydraulic proportional and handle arrangement • All hydraulic functions • Warning strobe and alarm system on lighting plant when under remote control • Dial up and confirm remote control system for controllers • Engine shutdown <p>Options</p> <p>No go zones under remote control to ensure that the boom and mast are not operated in a position of damage. Boom and mast park up would have to be done from controls.</p>
11	Fire Protection	Fire	<ul style="list-style-type: none"> • 80BE 9Kg Fire extinguisher • Mounted on Heavy duty Bracket • Plastic Bag fitted • Site Fire Labels fitted (Site Supply) • Site Emergency Labels Fitted (Site Supply)