

Trade Breakup

20/10/2021

211011 YENNORA

Resource Recovery Facility Construction Works at 30 Loftus Road, Yennora. Prepared by Hai Nguyen.
Building Cost Planner. BBCM in Quantity Surveying (UNSW). AIQS (Affil.) No. 26028 (NSW Chapter)

Description	Quantity	Unit	Rate	Markup	Total
PRELIMINARIES					\$418,800.00
Project Management	1	Item	\$150,000.00		\$150,000.00
Plant engineering & Structural design	1	Item	\$150,000.00		\$150,000.00
Engineering as built drawings	1	Item	\$20,000.00		\$20,000.00
Architectural Design	1	Item	\$35,000.00		\$35,000.00
Site aspects	1	Item	\$15,000.00		\$15,000.00
Building aspects	1	Item	\$32,000.00		\$32,000.00
Safety management of project	1	Item	\$15,000.00		\$15,000.00
Quantity survey of costs for EIS	1	Item	\$1,800.00		\$1,800.00
BENBOWS FEE PROPOSAL					\$106,100.00
EIS Items 1-6 Benbows fee proposal - documentation	1	Item	\$6,600.00		\$6,600.00
EIS item 9 Benbow fee proposal - Planning	1	Item	\$5,500.00		\$5,500.00
EIS item 10-11 Benbvw fee proposal - Site info	1	Item	\$3,000.00		\$3,000.00
EIS item 12-14 Benbow fee proposal - prioritisation documentation including consultation	1	Item	\$3,200.00		\$3,200.00
EIS environmental aspects details	1	Item	\$500.00		\$500.00
Specialist works EIS Benbow					
Waste management report	1	Item	\$5,500.00		\$5,500.00
Air quality report	1	Item	\$10,900.00		\$10,900.00
Noise impact study	1	Item	\$7,100.00		\$7,100.00
Chemical analysis report	1	Item	\$1,800.00		\$1,800.00
Fire risk assessment report	1	Item	\$3,500.00		\$3,500.00
Hydrology water / soil assessment	1	Item	\$3,900.00		\$3,900.00
EIS items 10-16 various items see proposal	1	Item	\$4,500.00		\$4,500.00
Cumulative & management reports	1	Item	\$1,600.00		\$1,600.00
Justification of proposal report	1	Item	\$1,200.00		\$1,200.00

Description	Quantity	Unit	Rate	Markup	Total
EIS project management fees Benbow	1	Item	\$7,500.00		\$7,500.00
Other specialist works (Not Benbow)					
Stormwater and flooding report (Intrax Engineers)	1	Item	\$8,500.00		\$8,500.00
Traffic assessment and report (Morgan)	1	Item	\$12,500.00		\$12,500.00
Fire Engineerin	1	Item	\$6,500.00		\$6,500.00
BCA assessment report	1	Item	\$3,800.00		\$3,800.00
Heritage Assessment	1	Item	\$3,500.00		\$3,500.00
Site contamination assessment	1	Item	\$5,000.00		\$5,000.00
SUBMISSION OF EIS					\$25,000.00
Fees for submission of EIS DA Planning NSW	1	Item	\$20,000.00		\$20,000.00
Other fees related to submission	1	Item	\$5,000.00		\$5,000.00
PRELIMINARIES AFTER APPROVALS					\$34,000.00
Environmental & Safety Management Plans	1	Item	\$4,000.00		\$4,000.00
Construction Management Plan	1	Item	\$5,000.00		\$5,000.00
Application for EPA Licence	1	Item	\$5,000.00		\$5,000.00
Construction Certificate	1	Item	\$15,000.00		\$15,000.00
Other approvals	1	Item	\$5,000.00		\$5,000.00
SITE PRELIMINIRIES					\$35,000.00
Site fencing and temporary public access	24	Weeks	\$125.00		\$3,000.00
Sediment & erosion control	1	Item	\$2,000.00		\$2,000.00
Site Amenities hire	24	Weeks	\$200.00		\$4,800.00
Skip Bins for construction waste (12m3)	24	Weeks	\$1,050.00		\$25,200.00
BUILDING & SITE RELATED WORKS					\$422,760.00
Site Works					\$388,760.00
Minor driveway widen to the entry - Bitumen ramp for brigade access around perimeter in accordance with Intrax design	197	m2	\$65.00		\$12,805.00
Weighbridges	1	No	\$95,000.00		\$95,000.00
Construct new car park include line marking	376	m2	\$100.00		\$37,600.00
Line mark new parking spaces	548	m2	\$15.00		\$8,220.00
New disabled parking space	45	m2	\$250.00		\$11,250.00
Assumed bollards to disabled parking space	1	No	\$350.00		\$350.00
Proposed flood protection barrier as per da2017/12 as Civil C-4001	105	m	\$125.00		\$13,125.00
To be removed when the remaining part of the flood protection barrier has been constructed by adjacent property as Civil C-4001	37	m	\$50.00		\$1,850.00

Description	Quantity	Unit	Rate	Markup	Total
5.1m wide cut and remove concrete along existing easement line construct new swale in accordance with stormwater design prepared by Intrax engineers	106	m	\$145.00		\$15,370.00
Construct bund wall along boundary to form catchment area for proposed swale as per Intrax engineering design	96	m	\$650.00		\$62,400.00
Construct roll kerb with sump pit for refuelling zone	33	m	\$225.00		\$7,425.00
Safety signage and walkway marking	1	Item	\$5,000.00		\$5,000.00
Site electrical works Lights etc	1	Item	\$5,000.00		\$5,000.00
Site security / cameras etc	1	Item	\$10,000.00		\$10,000.00
15000L self bunded and double lined diesel tank	1	Item	\$25,000.00		\$25,000.00
Construct roll kerb at roller doors [Number of: 6]	42	m	\$225.00		\$9,450.00
Concrete platform bund 1.0m wide min.	51	m	\$285.00		\$14,535.00
Existing concrete bund along rear wall to remain	40	m	\$285.00		\$11,400.00
Concrete bund around perimeter to contain fire water	128	m	\$285.00		\$36,480.00
1.0m x 1.0m x 1.0m deep sump pit to pump out fire water after an event	1	No	\$6,500.00		\$6,500.00

Fire services

\$34,000.00

Fire sprinklers under plant and platforms	1	Item	\$15,000.00		\$15,000.00
Fire extinguishers	1	Item	\$3,000.00		\$3,000.00
Smoke detectors switch room	1	Item	\$3,000.00		\$3,000.00
Additional fire hose reels	1	Item	\$3,000.00		\$3,000.00
Fire water storage	1	Item	\$10,000.00		\$10,000.00

ELECTRICAL WORKS

\$400,000.00

Run mains into building	1	Item	\$20,000.00		\$20,000.00
Run main to MCC	1	Item	\$5,000.00		\$5,000.00
MCC construction and Controls programming	1	Item	\$200,000.00		\$200,000.00
Plant installation wiring & connection	1	Item	\$130,000.00		\$130,000.00
MCC Building	1	Item	\$30,000.00		\$30,000.00
MCC support frames	1	Item	\$15,000.00		\$15,000.00
Building power adjustments (TBC)	1	Item			EXCL

MECHANICAL INSTALLATION WORKS

\$277,000.00

Site survey	1	Item	\$2,000.00		\$2,000.00
Install	1	Item	\$180,000.00		\$180,000.00
Crane hire	1	Item	\$60,000.00		\$60,000.00
Boom lift hire	1	Item	\$20,000.00		\$20,000.00
Scissor lift hire	1	Item	\$15,000.00		\$15,000.00

STRUCTURAL STEEL WORK

\$290,000.00

Description	Quantity	Unit	Rate	Markup	Total
Workshop drawings	1	Item	\$40,000.00		\$40,000.00
Fabricate all structural steel work main plant supports	1	Item	\$250,000.00		\$250,000.00
Wakyways and platforms stairs	15	m2			INCL
Conveyor supports	1	Item			INCL
Support brackets	1	Item			INCL
PICKING STATION					\$80,000.00
Fabricate picking station building structural steel work	1	Item	\$80,000.00		\$80,000.00
Building of structure	59	m2			INCL
EXISTING PLANT & EQUIPMENT ALREADY OWNED					
Nihot Air Separator	1	Item			EXCL
ABP Air Separator includes support frames	1	Item			EXCL
IFE Screen includes local conveyors support frames	1	Item			EXCL
Spalek flip flow screens	3	Item			EXCL
Fe Magnet	1	Item			EXCL
Crusher includes hopper	1	Item			EXCL
PLANT & EQUIPMENT TO PURCHASE					\$485,000.00
Main feeder process start point	1	Item	\$75,000.00		\$75,000.00
Waste Screen	1	Item	\$250,000.00		\$250,000.00
Long Items Roller- Long items separator	1	Item	\$20,000.00		\$20,000.00
Fe Magnet - TBC	3	Item	\$30,000.00		\$90,000.00
Compressor 45kW	1	Item	\$10,000.00		\$10,000.00
MCC/Control room	1	Item	\$25,000.00		\$25,000.00
Conveyor scales allow for 2 scales	1	Item	\$15,000.00		\$15,000.00
CONVEYORS					\$300,000.00
Material and fabrication	1	Item	\$300,000.00		\$300,000.00
CHUTES					\$20,000.00
Metal and steel construction	1	Item	\$20,000.00		\$20,000.00
BUNKER WALLS					\$150,000.00
Structural steel and steel plate	1	Item	\$150,000.00		\$150,000.00
Bunker walls constructed of structural steel 3.0m high [Length: 251]	752	m2			INCL
Bunker walls constructed of structural steel 3.5m high under picking station as the drawings A.07 - TBC [Length: 15]	53	m2			INCL
Steel plated push walls [Length: 61]	1,043	m2			INCL
OTHER ITEMS					\$40,000.00
Misting sprays for dust supression	1	Item	\$25,000.00		\$25,000.00

Description	Quantity	Unit	Rate	Markup	Total
Water & compressed air lines	1	Item	\$15,000.00		\$15,000.00
MASONRY (PROVISIONAL SUM)					\$9,720.00
Ground Floor					\$7,680.00
Double face bric external walling - Close off walls at Office [Length: 6]	24	m2	\$320.00		\$7,680.00
Sundries					\$2,040.00
Mud, dpc, lintels, etc	2.4	Thou	\$850.00		\$2,040.00
ROLLER DOORS					\$6,000.00
Roller doors to rear wall	2	No	\$3,000.00		\$6,000.00
CIVIL WORKS					\$19,005.00
Install sand bags to prevent stormwater pollution to Loftus road	1	No	\$70.00		\$70.00
Install sand bags mesh and gravel filter at existing gully pit	8	No	\$70.00		\$560.00
Sand bags around existing surface pit	5	No	\$70.00		\$350.00
Construct new gsip 900 x 900 light duty class "B" with spel stormsack filter and non-return check valve RL : 14.60 IL : 13.85	1	No	\$800.00		\$800.00
Sediment & erosion control	137	m	\$25.00		\$3,425.00
Rip rap protection and make connection to the existing swale at IL13.75	11	m	\$50.00		\$550.00
Proposed 4.6m wide swale drain along southern site boundary @ 0.3% to cater for 1% aep flow from upstream catchment	106	m	\$125.00		\$13,250.00
FINAL CLEAN					\$8,726.00
Final clean of site once construction has been completed	4,363	m2	\$2.00		\$8,726.00
CLARIFICATIONS					
Definitions					
Prime Cost Sum - Supply cost of material / fixture / fitting / item		Note			
Provisional Sum - Supply and install cost of item		Note			
We have made an allowance for the following					
Allowance for demolition		Note			
Allowance for stormwater system where required		Note			
Allowance for finishes as per spec		Note			
A construction period of 24 weeks		Note			
We have made no allowance for the following					

Description	Quantity	Unit	Rate	Markup	Total
No allowance for works other than specified		Note			
No allowance for any repairs to existing faulty structures / services / finishes / landscaping		Note			
No allowance for site remediation and decontamination		Note			
No allowance for services diversions, easements, encasements or the like		Note			
No allowance for placing cables underground		Note			
No allowance for landscaping		Note			
No allowance for Water or Energy Authorities requirements		Note			
No allowance for contingency. We recommend a contingency of 5% be allowed over the entire project		Note			
No allowance for escalation in costs and union enterprise bargaining costs		Note			

Items to be provided by the Client / Owner

Landscaping		Note			
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Note on Variations

Any variation of the contract will be submitted to the client in writing and require the client's written approval and consent before the variation works is to proceed		Note			
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Newin Estimating Services Disclaimer

This report is for use by the party to whom it is addressed and for no other purposes. No responsibility is taken for any third party who may use or rely on the whole or any part of this report		Note			
All quantities are approximate only		Note			
The builder/owner/project manager must confirm all rates, costs, quantities, items prior to entering into a contract or order any labour & materials.		Note			
Builder to confirm home warranty insurance levy with their provider before submitting estimate to client		Note			
Under no circumstances are the quantities or rates to form part of the building contract		Note			
This estimate and or rates provided will expire after a period of 3 months based on current market conditions		Note			

Subtotal	\$3,127,111.00
Adjustment	\$0.00
Post adjustment	\$3,127,111.00
G.S.T [10%]	\$312,711.10
Total	\$3,439,822.10