

2024 AEPEP: Universal Basalt Aggregates Corp.							
Parameters and Control Strategies	Unit of Work Measure (UWM)	Annual Physical/Financial Target, PhP	Quarterly Physical / Financial Target				Remarks
	Unit Cost, PhP		1stQ	2ndQ	3rdQ	4thQ	
1. Land Resource							
1.1 Nursery operations: care and maintance of seedlings	No. of seedlings produced	3,200	800	800	800	800	
	Php 40/seedling/yr	128,000.00	32,000.00	32,000.00	32,000.00	32,000.00	
1.2 Care and planting in land peripheries/ boundaries/buffers	Linear meter planted	400	100	100	100	100	
	50.00/li. m.	20,000.00	5,000.00	5,000.00	5,000.00	5,000.00	
	No. of transplanted seedlings maintained	6,190	3,790	4,590	5,390	6,190	
	Php10/seedling/yr	61,900.00	37,900.00	45,900.00	53,900.00	61,900.00	
SUB Total		347,600.00	74,900.00	82,900.00	90,900.00	98,900.00	
2. Water Resource and Quality							
2.1 Maintenance of silt impounding system	No. of maintenance conducted	4	1	1	1	1	One (1) Siltation pond
	Volume of desilted materials (cbm)	75	18.75	18.75	18.75	18.75	Removed from siltation pond
	Cost	-					Integrated in plant operation
2.2 Maintenance of silt drainage	Number of maintenance conducted	6	1	2	2	1	Subject to need
	length of silt drainage canal maintained (m.)	200m	200	200	200	200	
	cost						cost included in the operations
2.3 Water Quality Monitoring	no. of sampling	4	1	1	1	1	Every quarter : Color, temperature, Ph, Chemical Oxygen Demand, Chromium, Copper, Zinc, Cadmium, Lead
	no.of sampling stations	2	2	2	2	2	1 water source, 1 final outfall
	cost	100,000.00	25,000.00	25,000.00	25,000.00	25,000.00	
SUB Total		100,000.00	25,000.00	25,000.00	25,000.00	25,000.00	
3. Solid Waste							
3.1 Implementation of solid waste management program	No. of MRF maintained	1	1	1	1	1	
	Amount of residual waste (tons)	1	0.25	0.25	0.25	0.25	
	Amount of biodegradable waste (tons)	1.06	0.265	0.265	0.265	0.265	
	Amount of solid waste recycled (tons)	1	0.25	0.25	0.25	0.25	
	Cost	4,000.00	1,000.00	1,000.00	1,000.00	1,000.00	For rewards incentives
3.2 hazardous waste storage facility	No. of HW TSD maintained	1	1	1	1	1	
	Amount of haz wastes treated (tons)	5.2	1.3	1.3	1.3	1.3	
	Cost	52,000.00	13,000.00	13,000.00	13,000.00	13,000.00	
SUB Total		56,000.00	14,000.00	14,000.00	14,000.00	14,000.00	
4. Noise and Vibration							
4.1 Preventive maintenance of all moving parts of crushing plant and earth-moving equipment	Crushing Plant maintained	4	1	1	1	1	
	cost		-	-	-	-	Integrated in the operation of plant

4.2 Noise level monitoring	no. of monitoring	53	13	13	13	14	Use of handheld noise meter once a week
	no.of sampling stations	5	5	5	5	5	Crushing, genset, gate/office
	cost	39,301.00	4,121.00	4,121.00	4,121.00	26,938.00	Integrated in the operation of plant
SUB Total		39,301.00	4,121.00	4,121.00	4,121.00	26,938.00	
5. Air Quality							
5.1 Road dust prevention (watering)	no. of days	75	15	30	15	15	As needed, estimate
	no. of trips per day	1	1	1	1	1	
	cu.m. of water used	750	150	300	150	150	
	distance covered (km)	1 km road	1 km	1 km	1 km	1 km	approximate width: 8 meters (no community along road)
	cost	18,000.00	3,600.00	7,200.00	3,600.00	3,600.00	
5.2 Air Quality Monitoring	no. of sampling	1				1	PTO condition: once a year
	no. of sampling stations	2				2	Powerhouse and crushing plant area
	no. of parameters analyzed	7				7	Parameters: Carbon Monoxide Emissions, Nitrogen Oxides Emissions, Volumetric Flow rate (dry std), Moisture Content, Stack Gas Temperature,Carbon Dioxide Concentration, Oxygen Concentration,
	cost	80,000.00	-	-	-	80,000.00	
SUB Total		98,000.00	3,600.00	7,200.00	3,600.00	83,600.00	
6. Conservation Values							
6.1 Tree planting activities with LGU/DENR	No. of tree planting activities participated in	3			2	1	
	cost	15,000.00	-	-	10,000.00	5,000.00	
SUB Total		15,000.00	-	-	10,000.00	5,000.00	
7. Environmental Research							
7.1 Flora & Fauna Assessment	No. of assessment conducted					1	
	No. of report submitted	1	1				
	Cost	50,000.00	50,000.00	-	-	-	
SUB Total		50,000.00	50,000.00	-	-	-	
8. Others							
8.1 Housekeeping within plant compound	Housekeeping conducted	312	78	78	78	78	
	Integrated in the plant of operation	-	-	-	-	-	
8.2 IEC with host community	No. of meetings/consultation conducted	2	1	0	1	0	Attendance barangay session/community updating, with focus on environmental management
		6,600.00	3,300.00	-	3,300.00	-	
8.3 Environment and PCO training and workshop	No. of training/ workshop attended	2	0	1	0	1	
	cost	10,000.00	-	5,000.00	-	5,000.00	
8.4 In- House	No. of in-house meeting	4	1	1	1	1	In-house, cost integrated the other EPEP work measures
8.5 MMT Monitoring Meeting	No. of MMT monitoring participated in	4	1	1	1	1	
	Cost	120,000.00	30,000.00	30,000.00	30,000.00	30,000.00	
Subtotal		136,600.00	33,300.00	35,000.00	33,300.00	35,000.00	
GRAND TOTAL		842,501.00	204,921.00	168,221.00	180,921.00	288,438.00	