

## JJM ULIKKAL PACKAGE 1

SITE HANDED OVER	7-Jun-23	9 MONTHS
COMPLETION DATE as per Aggrement	6-Mar-24	

<b>1</b>	<b>Construction of new 1.00 LL capacity sump cum pump house at WTP Poovam</b>	<b>6 month</b>		
	i. marking and excavation	1 month	1/Jul/23	31/Jul/23
	ii. Construction	5 months	1/Aug/23	31/Dec/23
	a) sump	2 months	1/Aug/23	30/Sep/23
	b) pump house	2 months	1/Oct/23	30/Nov/23
	c) compound wall			
	d) finishing	1 month	1/Dec/23	31/Dec/23

<b>2</b>	<b>Construction of pipe line bridge</b>	<b>2 month</b>		
	i. marking and excavation			
	ii. Columns			
	iii. Steel structure			
	iv. Pipeline works	2 months	1/Nov/23	31/Dec/23

<b>3</b>	<b>Construction of 7 LL OHSR for zone 1 at Thermala in Ulikkal</b>	<b>6 month</b>		
	i. marking and excavation	1 month	1/Aug/23	30/Sep/23
	ii. Construction	5 month	1/Sep/23	31/Jan/24
	a) Foundation			
	b) columns and beams rooms			
	c) tank	4 month	1/Oct/23	31/Jan/24
	d) compound wall			
	e) approach road			
	iii. Plumbing			
	iv. Finishing	1 month	1/Jan/24	31/Jan/24

<b>4</b>	<b>Supplying, laying of pumping main from sump cum pump house at Poovam plant to OHSR Thermala (5800 m-200DI)</b>	<b>5 month</b>		
	i. Supply of pipes	1 month	1/Sep/23	30/Sep/23
	ii. Laying of pipes	3 months	1/Oct/23	31/Dec/23
	iii. Valve chamber (19 nos)	3 months	1/Nov/23	31/Jan/24

<b>5</b>	<b>Break pressure tank construction</b>	<b>4 month</b>		
	i. marking and excavation	1 month	1/Oct/23	31/Oct/23
	ii. Construction	3 months	1/Oct/23	31/Dec/23
	a) RCC			
	b) Plastering			
	c) finishing	2 month	1/Nov/23	31/Dec/23
	d) approach road	1 month	1/Jan/24	31/Jan/24

<b>6</b>	<b>Supplying, laying distribution network (120 Km)</b>	<b>8 months</b>		
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	i. Pipe supply	4 month	1/Jun/23	30/Sep/23
	ii. Laying and testing	6 month	1/Aug/23	31/Jan/24
	iii. FHTCs	6 month	1/Aug/23	31/Jan/24
	iv. Valve chamber	6 month	1/Aug/23	31/Jan/24

<b>7</b>	<b>LSGD road reformation</b>			
	<b>PWD, KSTP, PMGSY &amp; KRFB road reformation</b>	<b>3 month</b>		
	LSGD (70 KM)	3 month	<b>1/Dec/23</b>	<b>29/Feb/24</b>
	PWD (43 KM)	3 month	<b>1/Dec/23</b>	<b>29/Feb/24</b>

<b>8</b>	<b>Supply and erection of pumps</b>	<b>3 month</b>		
	<b>Raw water pumpset 1 no 125 HP VT</b>			
	i. Supply order	3 month	1/Dec/23	<b>29/Feb/24</b>
	ii. Commissioning			
	<b>treated water (45 HP 2 nos)</b>	<b>3 month</b>		
	i. Supply order	3 month	1/Dec/23	<b>29/Feb/24</b>
	ii. Commissioning			

<b>9</b>	<b>Supplying and fixing chlorine feeding apparatus and</b>	<b>2 months</b>		
	i. Supply order	1 month	1/Jan/24	31/Jan/24
	ii. Commissioning	1 month	1/Feb/24	29/Feb/24
	<b>FINAL TESTING and COMMISIONING</b>			<b>6/Mar/24</b>

JJM ULIKKAL - PACKAGE II				
SITE HANDED OVER		14-Jul-23	12 MONTHS	
COMPLETION DATE as per Aggrement		13-Jul-24		
1	Construction of 7 LL OHSR at Kolithatt	6 month		
	i. marking and excavation	1 month	1/Aug/23	31/Aug/23
	Construction	6 month	1/Aug/23	31/Jan/24
	a) Foundation	1 month	1/Aug/23	31/Aug/23
	b) columns and beams rooms	4 month	1/Sep/23	31/Dec/23
	c) tank			
	d) compound wall			
	e) approach road	1 month	1/Jan/24	31/Jan/24
	iii. Plumbing	1 month	1/Jan/24	31/Jan/24
	iv. Finishing			
2	Break pressure tank (6 nos) construction (3nos - 0.10 LL, 1 no- 0.40 LL, 1 no- 0.50 LL, 1 no- 0.70LL	6 month		
	i. marking and excavation	1 month	1/Sep/23	30/Sep/23
	ii. Construction	5 month	1/Oct/23	29/Feb/24
	a) RCC	4 month	1/Oct/23	31/Jan/24
	b) Plastering			
	c) finishing	1 month	1/Feb/24	29/Feb/24
	d) approach road			
3	Supplying, laying of pumping main from Booster station at Aanakkuzhi to OHSR Kolithatt (2200m 250 mm DI)	4 month		
	i. Pipe supply	2 month	1/Oct/23	30/Nov/23
	ii. Laying of pipes	3 months	1/Nov/23	31/Jan/24
	iii. Valve chamber			
4	Supplying, laying distribution network	9 months		
	i. Pipe supply	4 month	1/Jul/23	31/Oct/23
	ii. Laying and testing	6 month	1/Sep/23	29/Feb/24
	iii. FHTCs	7 month	1/Sep/23	31/Mar/24
	iv. Valve chamber	6 month	1/Sep/23	29/Feb/24
5	LSGD road reformation			
6	PWD, KSTP, PMGSY & KRFB road reformation	3 months		
	LSGD	3 months	1/Feb/24	3/Apr/24
	PWD	3 months	1/Feb/24	3/Apr/24
7	Supply and erection of pumps	3 months		
	Clear water (2 nos 56 HP Centrifugal pump)			
	i. Supply order	3 months	1/Dec/23	29/Feb/24
	ii. Commissioning	3 months	1/Dec/23	29/Feb/24
	FINAL TESTING and COMMISIONING			30/Apr/24

JJM ULIKKAL - PACKAGE III			
SITE HANDED OVER		7-Jun-23	9 MONTHS
COMPLETION DATE as per Aggrement		6-Mar-24	
<b>1</b>	<b>Construction of 4 LL OHSR at Angadisserithatt uphill</b>	<b>6 month</b>	
	i. marking and excavation	1 month	1/Sep/23 30/Sep/23
	ii. Construction	5 months	1/Oct/23 29/Feb/24
	a) Foundation	4 month	1/Oct/23 31/Jan/24
	b) columns and beams rooms		
	c) tank		
	d) compound wall		
	e) approach road	1 month	1/Feb/24 29/Feb/24
	iii. Plumbing	1 month	1/Feb/24 29/Feb/24
	iv. Finishing		
<b>2</b>	<b>Construction of 0.50 LL sump cum pump house at</b>	<b>6 months</b>	
	i. marking and excavation	1 month	1/Sep/23 30/Sep/23
	ii. Construction	5 months	1/Oct/23 29/Feb/24
	a) sump	5 month	1/Oct/23 29/Feb/24
	b) pump house		
	c) compound wall		
	d) finishing		
	<b>Clear water pumping main from sump cum pump house to</b>		
<b>3</b>	<b>OHSR Angadisserithatt uphill (1900m 150DI)</b>	<b>4 months</b>	
	i. Pipe Supply	2 month	1/Sep/23 31/Oct/23
	ii. Laying of pipes	3 months	1/Oct/23 31/Dec/23
<b>4</b>	<b>break pressure tank construction (9 nos)</b>	<b>7 months</b>	
	i. marking and excavation	1 month	1/Aug/23 30/Aug/23
	ii. Construction	6 months	1/Sep/23 29/Feb/24
	a) concrete BPT	6 months	1/Sep/23 29/Feb/24
	b) steel BPT		
	c) Plastering		
	d) finishing	1 month	31/Jan/24 29/Feb/24
	<b>Supplying, laying, testing etc. gravity main Kolithatt to</b>		
<b>5</b>	<b>sump cum pump house at Angadisserithatt (3180 m)</b>	<b>5 month</b>	
	i. marking and excavation	2 month	1/Sep/23 31/Oct/23
	ii. Laying and testing	5 months	1/Sep/23 31/Jan/24
<b>6</b>	<b>Distribution of pipe line network (78 KM)</b>	<b>7 month</b>	
	i. Pipe supply	2 month	1/Jul/23 30/Sep/23
	ii. Laying and testing	6 month	1/Aug/23 31/Jan/24
	iii. FHTCs (2079 nos)		
	iv. Valve chamber (79 nos)		
<b>7</b>	<b>PWD, KSTP, PMGSY &amp; KRFB road reformation</b>	<b>3 months</b>	
<b>8</b>	<b>LSGD road reformation</b>		

	LSGD (61 KM)	3 month	1/Dec/23	29/Feb/24
	PWD (17 KM)	3 month	1/Dec/23	29/Feb/24
<b>9</b>	<b>Supply and erection of pumps</b>	<b>3 month</b>		
	Clear water pump 2 nos 35 HP CP			
	i. Supply order	1 month	1/Nov/23	30/Nov/23
	ii. commissioning	2 month	1/Dec/23	31/Jan/24
	<b>FINAL TESTING and COMMISIONING</b>			<b>6/Mar/24</b>

JJM ULIKKAL - PACKAGE IV			
SITE HANDED OVER		7-Jun-23	12 MONTHS
COMPLETION DATE as per Aggrement		6-Jun-24	
1	Demolishing existing structures	1 month	15/Jun/23 15/Jul/23
2	4.00 MLD water treatment plant	10 months	1/Jul/23 30/Apr/24
	Leveling	1 month	1/Jul/23 31/Jul/23
	Retaining wall	2 month	
	i. Marking and excavation	1 month	1/Jul/23 31/Jul/23
	ii. PCC (1:3:6)		
	iii. Reinforcement		
	iv. Foundation concrete (1:2:4)		
	iv. Superstructure (1:1.5:3)	1 month	01/Aug/23 31/Aug/23
	recycling tank	3 months	
	i. Marking and excavation	1 month	1/Aug/23 31/Aug/23
	ii. PCC (1:3:6)		
	iii. Reinforcement		
	iv. Foundation concrete (1:2:4)		
	iv. Superstructure (1:1.5:3)	2 month	01/Sep/23 31/Oct/23
	Clear water reservoir 3.0LL pump house	4 months	
	i. Marking and excavation	1 month	01/Aug/23 31/Aug/23
	ii. Foundation		
	iii. Sump	2month	01/Aug/23 30/Sep/23
	iv. Pump house	1 month	01/Oct/23 31/Oct/23
	v.Finishing	1 month	01/Nov/23 30/Nov/23
	vi.extra equipments		
	vii. Plumbing		
	Filter house	6 month	
	i. Marking and excavation	1 month	01/Sep/23 30/Sep/23
	ii. Foundation		
	iii. Ground floor	2 month	01/Sep/23 31/Oct/23
	iv. First floor	2 month	01/Nov/23 31/Dec/23
	v.Finishing	1 month	01/Jan/24 31/Jan/24
	vi.extra equipments		
	vii. Plumbing		
	viii. Lab equipments		
	ix. Filter materials	1 month	01/Feb/24 29/Feb/24
	x. Electrification		
	Chemical house	6 month	
	i. Marking and excavation	1 month	01/Sep/23 30/Sep/23
	iii. Foundation		
	iv. Ground floor	2 month	01/Oct/23 30/Nov/23

	v. First floor	2 month	01/Dec/23	31/Jan/24
	vi. Plastering	1 month	01/Feb/24	29/Feb/24
	vii. Finishing			
	<b>Clariflocculator</b>	<b>6 months</b>		
	i. Marking and excaavation	1month	01/Oct/23	31/Oct/23
	ii. PCC			
	iii. RCC	3 months	01/Nov/23	31/Jan/24
	iv. Plastering			
	v. Handrails and finishing	2month	01/Feb/24	31/Mar/24
	vi. Ellectrochemical items for clarifflocculator			
	<b>Aerator</b>	<b>5 months</b>		
	i. Marking and excavation	1month	01/Oct/23	31/Oct/23
	ii. Foundation			
	iii. RCC structures	3 months	01/Nov/23	31/Jan/24
	iv. Plastering and finishing			
	v. Electrochemical components	1month	01/Feb/24	29/Feb/24
	<b>Drain</b>	<b>2 month</b>	<b>01/Jan/24</b>	<b>29/Feb/24</b>
	<b>Compound wall, Landscaping and gardening</b>	<b>3 month</b>		
	i. Marking and excavation	1 month	01/Jan/24	31/Jan/24
	ii. Lalaterite (52.8 x0.40x 0.6)			
	ii.laterite (52.8 x0.20x 1.4)	1 month	01/Feb/24	29/Feb/24
	iii. Plastering  (1:4)			
	iv. Finishing	1 month	01/Mar/24	31/Mar/24
	v. gate			
	vi interlock	1 month	01/Mar/24	31/Mar/24
	<b>3 Renovation of existing intake at Koottupuzha</b>	3 months	<b>1/Oct/23</b>	<b>31/Dec/23</b>
	<b>4 Renovation of booster pump at Anakkuzhi</b>	3 months		
	i. Removing plastering	3 months	<b>1/Oct/23</b>	<b>31/Dec/23</b>
	ii plastering			
	iii. Finishing			
	iv. Plumbing			
	<b>5 Construction of new leading channel</b>	<b>4 months</b>		
	i. Marking and excavation	1 month	1/Oct/23	31/Oct/23
	ii. Foundation	3 month	1/Nov/23	31/Jan/24
	iii. Columns , beams and sidewall			
	iv. stainless steel			
	<b>6 Supplying, laying pipe from intake well cum pump house to WTP at Kallanthodu</b>	<b>4 months</b>		
	i. Pipe supply	2 month	1/Aug/23	30/Sep/23
	ii. Laying and testing	3 month	1/Sep/23	30/Nov/23

7	<b>Supplying, laying of pumping main from WTP at Kallanthodu to Booster station at Aanakkuzhi</b>	<b>4 months</b>		
	i. Pipe supply	2 month	1/Aug/23	30/Sep/23
	ii. Laying and testing	3 month	1/Sep/23	30/Nov/23
	iii. Valve chamber			
8	<b>Supplying, laying distribution network (16 km)</b>	<b>6 months</b>		
	i. Pipe supply	2 month	1/Jul/23	31/Aug/23
	ii. Laying and testing	4 month	1/Aug/23	30/Nov/23
	iii. FHTCs (459)	5 month	1/Aug/23	31/Dec/23
	iv. Valve chamber	2 month	1/Nov/23	31/Dec/23
9	<b>PWD, KSTP, PMGSY &amp; KRFB road reformation</b>	3 month		
10	Internal road reformation works	1 month	1/Apr/24	30/Apr/24
11	LSGD PWD road reformation	3month	1/Jan/24	31/Mar/24
12	Supply and erection of pumps	3 months		
	<b>raw water 2 nos. 8HP VT</b>	3 months		
	i. Supply order	1 month	1/Jan/24	31/Jan/24
	ii. Commissioning	2 month	1/Feb/24	31/Mar/24
	<b>treated water 2 nos 70 HP centrifugal</b>	3 months		
	i. Supply order	1 month	1/Jan/24	31/Jan/24
	ii. Commissioning	2 month	1/Feb/24	31/Mar/24
	<b>FINAL TESTING and COMMISIONING</b>			6/Jun/24