## National Mission for Clean Ganga (NMCG) Ministry of Water Resources, River Development & Ganga Rejuvenation, Govt. of India

The development of sewage treatment plant and associated infrastructure under Hybrid Annuity based PPP mode at Varanasi in the State of Uttar Pradesh

(LoA File Number: Rd-63014/1/2017/PPP/NMCG)

Monthly Report of Project Engineer

**April - 2018** 



**Executing Agency** 

Uttar Pradesh Jal Nigam, Varanasi - 221 005 मा सेव भारत सेव

**Funding Agency** 

National Mission for Clean Ganga MoWR, River Development & Ganga Rejuvenation, New Delhi - 110002



**Project Engineer** 

Mahindra Consulting Engineers Limited Mahindra Towers, No. 17/18, Pattullous Road, Chennai - 600 002, Tamil Nadu, India



Concessionaire

Varanasi STP Project Private Limited 6<sup>th</sup> Floor, Plot No. 19, Film City, Sector 16 A, Gautam Buddha Nagar, Noida, Uttar Pradesh - 201 301



#### **TABLE OF CONTENTS**

1.0.	INTR	ODUCTION	. 3
	1.1.	Project components	. 5
		1.1.1. New construction units	. 5
		1.1.2. Rehabilitation works	. 6
	1.2.	Executing agency	. 6
	1.3.	Implementation agency	. 6
	1.4.	Consulting services	. 6
	1.5.	Concessionaire	. 6
2.0.	STAT	TUS OF PROJECT	. 6
	2.1.	Physical status as on 30/04/2018	. 7
		2.1.1. Pre-execution activities	. 7
		2.1.2. Design detailed engineering	. 8
		2.1.3. Equipment procurement, logistics and receipt of equipment site	
		2.1.4. New construction units	
		2.1.5. Rehabilitation works	
	2.2.	Financial status	
	2.3.	Important issues	
3.0.	PRO.	JECT ENGINEER ACTIVITIES	
4.0.		TINGS	
5.0.		FF DEPLOYMENT	
		<u>LIST OF ANNEXES</u>	
		PROGRESS (PHYSICAL)	
		PROGRESS	
		APHS	
		CORRESPONDENCE LIST OF APRIL 2018	
INWA	RD CO	DRRESPONDENCE LIST OF APRIL 2018	32



#### MONTHLY PROGRESS REPORT

#### 1.0. INTRODUCTION

The Gol, recognizing that long-term rejuvenation of the river Ganga will have significant social and economic benefits on the lives of the 500 million people living along its basin, has identified cleaning of the river Ganga as one of its priorities. For this purpose, in May 2015, the Gol approved the flagship Namami Gange programme for cleaning, rejuvenation, and protection of the river Ganga. In January 2016, the Gol approved a hybrid annuity model to implement STP projects under the Namami Gange programme on a PPP basis.

Subsequently, the MoWR issued the River Ganga (Rejuvenation, Protection and Management) Authorities Order, 2016 (Ganga 2016 Order) to constitute various authorities to assist the GoI in achieving its aim of effective abatement of pollution in the river Ganga. The Ganga 2016 Order applies to all states in the catchment of the river Ganga basin, including Uttar Pradesh. The Ganga 2016 Order revised the legal status of NMCG (which was initially constituted as a registered society under the Societies Registration Act, 1860) to an authority constituted under the Environment (Protection) Act, 1986 and designated NMCG as the nodal agency for the implementation of the Ganga 2016 Order.

Rapidly increasing population, rising standards of living and exponential growth of industrialisation and urbanisation have exposed water resources, in general, and rivers, in particular, to various forms of degradation. The mighty Ganga is no exception. The deterioration in the water quality impacts the people immediately. Ganga, in some stretches, particularly during lean seasons has become unfit even for bathing. The threat of global climate change, the effect of glacial melt on Ganga flow and the impacts of infrastructural projects in the upper reaches of the river, raise issues that need a comprehensive response.

In the Ganga basin approximately 12,000 million litres per day (MLD) sewage is generated, for which presently there is a treatment capacity of only around 4,000 MLD. Approximately 3000 MLD of sewage is discharged into the mainstream of the river Ganga from the Class I & II towns located along the banks, against which treatment capacity of about 1000 MLD has been created till date.



The Uttar Pradesh Jal Nigam (Jal Nigam) is a statutory body constituted under the Uttar Pradesh Water Supply and Sewerage Act, 1975, and has the power to develop, maintain and regulate water supply and sewerage works in Uttar Pradesh. With a view to implement the Namami Gange programme and the Ganga 2016 Order, the Jal Nigam, in association with the NMCG, has decided to undertake the development of an STP with a proposed capacity of 50 MLD along with other Facilities and Associated Infrastructure at Varanasi on a PPP basis, through a hybrid annuity model. While the Jal Nigam will be the principal executing agency and bidding authority for the Project, NMCG will be responsible for making payments to the Concessionaire.

The objectives that NMCG and the UP Jal Nigam wish to achieve through the Project is mentioned in **Figure 1**.

Intercept raw sewage flowing into the river Ganga and divert the raw sewage to the Varanasi STP;

Treatment of the raw sewage at the Varanasi STP;

Implement viable technologies and international best practices for development, operation and maintenance of the Varanasi STP and other facilities and

Demonstrate large scale private sector participation and mobilisation of private sector investment to further the national aim of rejuvenation of the river Ganga.

Figure 1: Objectives of NMCG and UP JAL NIGAM

Government of India, has approved the Namami Gange program as an integrated approach for effective abatement of pollution in river Ganga. As part of this and to ensure that no untreated domestic sewage flow into the river Ganga, various interventions are planned such as Interception & Diversion works and development & operation of Sewage Treatment Plants (STPs). Considering various development models in practice for the construction, operation and maintenance of Sewage Treatment Plants, Government of India has approved



the Hybrid Annuity based Public Private Partnership (PPP) mode as one of the options for the development & operation of STPs. Under this model, private investor/developer will design, build, finance, operate and transfer the asset (STP) to the Project Executing Agency/Jal Nigam/Jal Sansthan / Urban Local body at the end of the Concession Period (say 15 years). 40% of the Capital cost will be paid to the developer during construction of the STP. Balance 60% along with Operation & Maintenance (O&M) cost will be paid over the Concession Period on achievement of key performance indicators as per the contract. Entire cost of development and operation of the STPs will be 100% funded by the Government of India as central sector scheme. It is also envisaged to explore the possibility of recycle/ reuse of the treated waste water for non-potable purpose.

NMCG & UPJN appointed M/s. Mahindra Consulting Engineers Limited, Chennai as Project Engineer for this project through tendering process. Letter of Award is issued dated 5<sup>th</sup> January 2018 and agreement signed between the parties on 16<sup>th</sup> February 2018.

#### 1.1. Project components

#### 1.1.1. New construction units

- Inlet structure
- Grit chambers & Parshall flume
- SBR tanks
- Chlorine contact tank
- Overhead treated water tank
- Air blower room
- Belt filter press building
- Chlorination building
- Electrical building and control room
- Admin building, laboratory room
- Transformer yard, internal roads & drainage
- Treated water pump house
- Treated effluent disposal line
- Bund wall
- Staff quarters
- Approach road



#### 1.1.2. Rehabilitation works

- Rehabilitation of Main Pumping Station (MPS)
- Construction of Weir
- Strengthening & Pipe protection of Rising main
- Construction of Control room
- Rerouting the raising main near Samne Ghat

#### 1.2. Executing agency

Uttar Pradesh Jal Nigam (UPJN)

#### 1.3. Implementation agency

Uttar Pradesh Jal Nigam (UPJN)

#### 1.4. Consulting services

- Project Engineer
  - Mahindra Consulting Engineers Ltd, Chennai

#### 1.5. Concessionaire

Varanasi STP Project Private Limited

#### 2.0. STATUS OF PROJECT

STATUS : CONSTRUCTION STAGE

Concessionaire Contract : SUBIN-DLDL80840374672746341531P

Agreement No.

Name of the Concessionaire : Varanasi STP Project Pvt. Ltd.

Commencement date : 19<sup>th</sup> February 2018

Completion date (as per contract): 18<sup>th</sup> November 2019



#### 2.1. Physical status as on 30/04/2018

#### 2.1.1. Pre-execution activities

		F	Progress		
SI. No.	Description of works	Upto previous month	During the month	Total progress	Schedule
1	Setting up of temporary site office	50%	-	50%	100%
2	Removal of debris & shrubs	80%	-	80%	100%
3	Borewell construction	100%	-	100%	100%
4	Other temporary execution	50%	50%	100%	100%
5	Topographical / soil investigation	50%	-	50%	100%
6	Condition precedent required to be satisfied by Concessionaire	100%	-	100%	100%
7	Condition precedent required to be satisfied by Jal Nigam	100%	-	100%	100%
8	Condition precedent required to be satisfied by NMCG	100%	-	100%	100%
9	Appointment of design Consultant	100%	-	100%	100%
10	Submission & approval of sub contracts from UPJN	-	50%	50%	100%



#### 2.1.2. Design detailed engineering

		F	Progress		
SI. No.	Description of works	Upto previous month	During the month	Total progress	Schedule
1	Phase - I D&E (BEP)	100%	-	100%	100%
2	Phase - II D&E (Civil, Mechanical, Electrical, Inst. Drawings)	-	56%	56%	94%
3	Structural drawings submissions & approvals	-	31%	31%	91%
4	Mechanical & piping drawings submissions & approvals	-	-	-	43%
5	Electrical drawings submissions & approvals	-	-	-	11%
6	Miscellaneous documents & drawings	-	-	-	-
7	Instrumentation document submissions & approvals	-	-	-	-
8	Miscellaneous drawings	-	-	-	-
9	MPS pumping station	-	-	-	11%
10	Rising main	-	-	-	13%
11	Treated effluent disposal line	-	8.05%	8.05%	41%

#### 2.1.3. Equipment procurement, logistics and receipt of equipment at site

		F	Progress		
SI. No.	Description of works	Upto previous month	During the month	Total progress	Schedule
1	Fine screen / coarse	-	-	-	6%
	screen / belt conveyors				



		F	Progress				
SI. No.	Description of works	Upto previous month	During the month	Total progress	Schedule		
2	Grit removal mechanism	-	-	-	-		
3	SBR system	-	-	-	-		
4	SAS / RAS pumps /	-	-	-	-		
	booster pumps / treated						
	water pumps / drain						
	pumps						
5	Air blowers	-	-	-	-		
6	Tube well	-	-	-	-		
7	Piping & fittings, valves,	-	-	-	-		
	flanges, other associated						
	connections						

#### 2.1.4. New construction units

				Progr	ess				
SI. No.	Description of works	Up previ mor	ous	During mor		Tot prog		Sched	lule
		Civil	E&M	Civil	E&M	Civil	E&M	Civil	E&M
1	Bund wall / earthen embankment	0.01%	NA	0.04%	NA	0.05%	NA	12.50%	NA
2	Inlet chamber manual & mechanical screen chamber							21.70%	
3	Grit chamber & outlet channel of grit chamber							15.00%	
4	Parshall flume (I) & distribution chamber of SBR basin							15.00%	
5	SBR basins & outlet							4.60%	



		Progress							
SI. No.	Description of works	Up previ mor Civil	ous	During mor		Tot prog	ress		lule E&M
	chamber	CIVII	LOUIVI	CIVII	LOIVI	CIVII	E&M	Civil	LOIVI
6	Chlorination building								
7	Chlorine contact								
	tank & treated water								
	collection tank,								
	treated water pumps								
8	Final outfall							11.00%	
	chamber								
9	Overhead treated								
	water tank								
10	Belt filter press/								
	sludge sump / filtrate								
	sump								
11	Pump house								
12	PE dosing tank								
13	Administrative								
	building & laboratory								
14	SBR air blower room								
15	HT room								
16	Motor control centre								
	(MCC) room								
17	Transformer yard,								
	internal road and								
	drainage								
18	DG set area								
19	Security room								
20	Double Pole								
	structure	<u> </u>		<u> </u>					
21	Mechanical	NA		NA		NA		NA	
	installation		3.15	0.0001		0.0001		40.0001	
22	Treated effluent		NA	0.08%	NA	0.08%	NA	40.00%	NA



	Description of works		Progress						
SI. No.		Up previ mor	ous	Durin moi	_	To		Sched	dule
		Civil	E&M	Civil	E&M	Civil	E&M	Civil	E&M
	disposal line								
23	Staff quarters								
24	Approach road								
25	Testing &								
	commissioning of								
	plant								
26	Trail run								

#### 2.1.5. Rehabilitation works

		Progress							
SI. No.	Description of works	Upto previous month			ng the	Total progress		Schedule	
		Civil	E&M	Civil	E&M	Civil	E&M	Civil	E&M
1	Rehabilitation of MPS								
2	Construction of weir		NA		NA		NA	10.00%	NA
3	Strengthening & pipe protection of rising main		NA		NA		NA	13.27%	NA
4	Construction of control room							10.00%	
5	Rerouting the raising main near Samne Ghat		NA		NA		NA	13.27%	NA

Overall progress: 2.36%.



#### 2.2. Financial status

• Contract amount : Rs. 153.15 crores (Rs. 102 crores for

construction + Rs. 51.15 crores for

O&M)

Expenditure

Mob. Adv : Rs. 10.20 crores
Work done - First milestone : Rs. 0.00 crores
Total : Rs. 10.20 crores

#### 2.3. Important issues

1. Progress of work is lagging the schedule, it has to be expedited

- 2. Office setup for UPJN yet to be provided by Concessionaire
- 3. Clearing of debris & shrub along the treated effluent pipeline, immediate action to be taken by Concessionaire
- 4. Soil investigation report along the treated effluent pipeline yet to be submitted by Concessionaire
- 5. Expediting the design detailed engineering documents and drawings at the earliest by Concessionaire
- 6. Placement of work order for the bought-out items to be initiated at the earliest by Concessionaire
- 7. The machinery, material receipt at site, manpower to be increased to four folds than the present level, to achieve the targeted schedule and to compensate the delay occurred
- 8. Concessionaire has to commence the activities immediately which are already scheduled to start but not yet started
- 9. Concessionaire has to set up the testing laboratory at site
- 10. Concessionaire has to set up the RMC plant immediately at site to increase the construction activities

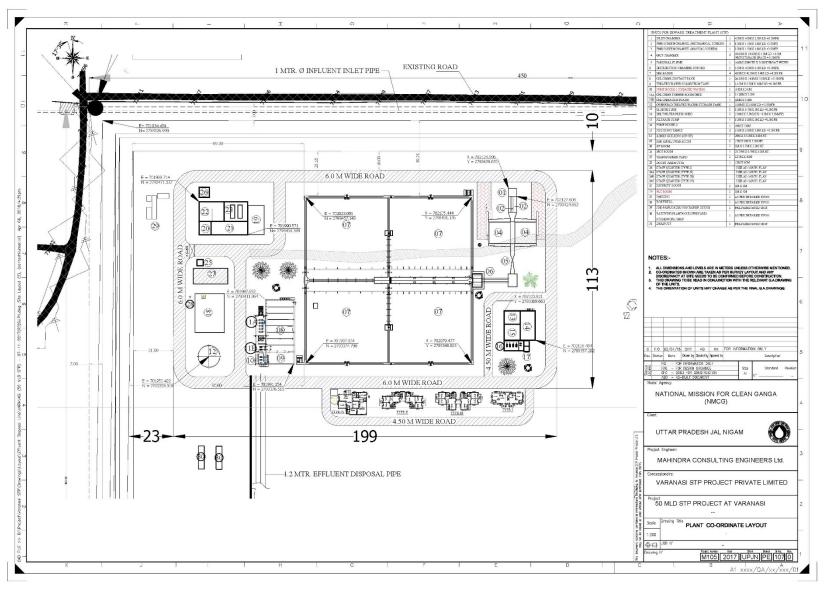


Figure 2: Development of sewage treatment plant and associated infrastructure under Hybrid Annuity based PPP mode at Varanasi



#### 3.0. PROJECT ENGINEER ACTIVITIES

			Period: April 2018	Period: May 2018
TOR reference	Services	Undertaken	Description	Expected for next month
5.1	Review of the basic engineering design	Yes	1) Revised construction plan 2) General arrangement drawing for C-Tech basin (2 sheets) 3) General arrangement drawing for C- Decanter connecting piece in C - Tech basin (2 sheets)	Remaining GA and structural drawings of STP
5.2	Review and assist UPJN in approval construction plan	Yes	Construction plan reviewed and approved	Updation of construction plan on monthly basis
6.5	Review of monthly progress report	Yes	Review of monthly progress report yet to receive	Review of next month progress report
6.6	Inspect the construction works	Yes	Day to monitoring of site personnel, Monthly inspection by key experts	Day to monitoring of site personnel, Monthly inspection by key experts



#### 4.0. MEETINGS

Project Engineer undertaken and planned services.

				Period: April	Period: May
				2018	2018
Services		Undertaken by	Description	Expected for	
				•	next month
Site i	inspection	and	General Manager,	05/04/2018	Project review
project re	eview meetin	g	UPJN		meeting
Project re	eview meetir	ng	General Manager,	20/04/2018	
			UPJN		
Site i	inspection	and	Chief Engineer, UPJN	25/04/2018	
project re	eview meetin	g			

#### 5.0. STAFF DEPLOYMENT

The Project Engineer office space was finalized and the address of the office is as below:

#### **Mahindra consulting Engineers Limited**

Sudarshan Apartment,

Flat No: 305, 4th Floor,

Ramnagar Road, Samne Ghat,

Opp: Janki Nagar Colony, Near Hanuman Mandir,

Lanka, Varanasi – 221005,

Uttar Pradesh.

The position of staff deployment since beginning of the project till end of April 2018 is given in the following table:

Sta	aff deployed on site at	Date of deployment		
SI. No.	Designation	From	То	
1	Project Manager	G. Sathiskumar	19/02/2018	
2	Civil Engineer	M. Sivapriyan	15/02/2018	



Sta	aff deployed on site at	Date of dep	loyment	
SI. No.	Designation	Name of staff	From	То
3	Civil Engineer	T. Sathyamoorthy	20/04/2018	
4	Senior Engineer (Electrical & Instrumentation)	R. Satish	20/04/2018	
5	Civil Engineer	P. Ramasubramanian	20/04/2018	
6	Civil Engineer	Imran Khadhar Mohideen	20/04/2018	
7	Structural Engineer	S. Varun Athithiya	20/04/2018	
8	Liaison Officer	O. B. Shivakumar	20/04/2018	



## ANNEX-1 PROJECT PROGRESS (PHYSICAL)



#### **ANNEX 1 - PROJECT PROGRESS (PHYSICAL)**

SI.		•	I Progres centage		
No.	Component / Package	Up to Previous month	During month	Total	Remarks
1	2	3	4	5	6
1	Development of	0.50%	1.86%	2.36%	Physical progress
	sewage treatment plant				observed to be very
	and associated				slow and needs to
	infrastructure under				be accelerated by
	Hybrid Annuity based				Concessionaire.
	PPP mode at Varanasi				



### ANNEX-2 FINANCIAL STATEMENTS



#### **ANNEX 2 - FINANCIAL STATEMENTS**

(Rs. in Crore)

SI. No.	Name of Project	Original	Sha	ire	Concessionaire contract incurred		Reimburs clain submit	า	Remarks
	Project		Gol	State	amount		Amount	Date	
1	50	102.00	102.00	-	102.00	10.20	-	-	Since 1st
	MLD					(Mobilisation			milestone
	STP					Advance)			date is
									on 18 <sup>th</sup>
									July
									2018 and
									yet to
									achieve
									25% of
									physical
									progress,
									no claim
									is entitled

### Tentative detail split up of financial progress with respective individual components as on April 2018

	Physical status for first milestone for the month of April 2018						
Item of work	Proposed amount for first milestone in Rs	Actual completion in %	Completed amount				
Design detailed engineering							
Phase - I D&E (BEP)	5,100,000	100.00%	5,100,000				
Phase - II D&E (Civil, Mechanical,	5,100,000	56.00%					
Electrical, Inst. Drawings)			2,843,250				
Structural drawings submissions & approvals	12,750,000	31.00%	3,984,375				
Mechanical & piping drawings submissions & approvals	7,650,000	-	-				
Electrical drawings submissions & approvals	7,650,000	-	-				
Miscellaneous documents & drawings	2,550,000	-	-				
Instrumentation document submissions & approvals	7,650,000	-	-				



	Physical status for first milestone for the month of April 2018					
Item of work	Proposed amount for first milestone in Rs	Actual completion in %	Completed amount			
Miscellaneous drawings	2,473,500	-	-			
MPS pumping station	8,185,886	-	-			
Rising main	4,704,310	-	-			
Treated effluent disposal line	55,068,840	8.05%	6,565,091			
Equipment procurement, logistics and receipt of equipment at Site  Fine screen / coarse screen / belt	1,319,849	-	-			
conveyors						
Grit removal mechanism	679,146	-	-			
SBR system	8,149,749	-	-			
SAS / RAS pumps / booster pumps / treated water pumps / drain pumps	2,716,583	-	-			
Air blowers	1,776,030	-	-			
Tube well	807,286	-	-			
Piping & fittings, valves, flanges, other associated connections	734,511	-	-			
Civil executions						
Bund wall / earthen embankment	45,776,703	5.00%	4,080,000			
Inlet chamber manual & mechanical screen chamber	884,000	-	-			
Grit chamber & outlet channel of grit chamber	850,000	-	-			
Parshall flume (I) & distribution chamber of SBR basin	2,550,000	-	-			
SBR basins & SBR outlet chamber	32,686,364	0.75%	1,530,000			
Chlorination building	9,074,483	-	-			
Chlorine contact tank & treated water collection tank, treated water pumps	7,990,000	-	-			
Final outfall chamber	480,049	-	-			
Overhead treated water tank	3,900,000	-	-			



	Physical status for first milestone for the month of April 2018					
Item of work	Proposed amount for first milestone in Rs	amount for completion in %				
Belt filter press/ sludge sump / filtrate	2,215,862	-	-			
sump						
Pump house 2	414,375	•	-			
Administrative building & overhead	6,197,797	-	-			
tank						
SBR air blower room	5,521,304	-	-			
HT room	4,505,000	-	-			
MCC room	4,814,746	-	-			
Transformer yard	1,020,000	-	-			
DG set area	2,550,000	-	-			
Mechanical installation	6,273,000	-	-			
	27,27,69,373		2,41,02,716			
	8.84%					
	first milesto					
	Percentage (	2.36%				



### ANNEX-3 PHOTOGRAPHS



#### **ANNEX 3 - PHOTOGRAPHS**

**SBR** basin



**Shuttering work** 

**SBR** basin



**PCC** being laid



SBR basin



**PCC** concrete laying

**SBR Basin** 



**Curing for PCC** 



**Bund wall** 



Formation of bund





Compaction test being done at site





Formation of bund



Installation of RMC plant



Steel stocking yard





PSC pipes received at site





# ANNEX-4 OUTWARD CORRESPONDENCE LIST OF APRIL 2018



#### **ANNEX 4 - OUTWARD CORRESPONDENCE LIST OF APRIL 2018**

Document No	Date	To (Organization)	Copies To	Subject File No	Subject
MACE: P968: 8274	04-04-2018	GM, UPJN	NMCG, PM, UPJN	NA	Quality assurance plan for M.S.
					Pipes observation
MACE: P968: 8272	05-04-2018	GM, UPJN	NMCG, PM, UPJN	NA	Observations on SBR basin
					structural design
MACE: P968: 8280	09-04-2018	GM, UPJN	NMCG, PM, UPJN	NA	GA drawing approval for pre-
					treatment and SBR
MACE: P968: 8281	09-04-2018	GM, UPJN	NMCG, PM, UPJN	NA	Structural drawing approval
MACE: P968: 8283	10-04-2019	GM, UPJN	NMCG, PM, UPJN	NA	GA drawing approval
MACE: P968: 8287	17-04-2018	GM, UPJN	NMCG, PM, UPJN	NA	Construction plan - 3 submission
MACE: P968: 8286	17-04-2018	GM, UPJN	NMCG, PM, UPJN	NA	Observation on plant co-ordinate
					layout
MACE: P968: 8297/1	18-04-2018	GM, UPJN	NMCG, PM, UPJN	NA	Dispatch clearance of PSC
					Pipes
MACE: P968: 8294	18-04-2018	GM, UPJN	NMCG, PM, UPJN	NA	Quality measures (control to be
					adopted by concessionaries
MACE: P968: 8297	19-04-2018	GM, UPJN	NMCG, PM, UPJN	NA	Architectural drawings of staff
					quarters observations
MACE: P968: 8301	24-04-2018	GM, UPJN	NMCG, PM, UPJN	NA	Civil drawing of CCT and treated
					water observation
MACE: P968: 8302	26-04-2018	GM, UPJN	NMCG, PM, UPJN	NA	Observation on design
					calculation of MS pipe



# ANNEX-5 INWARD CORRESPONDENCE LIST OF APRIL 2018



#### **ANNEX 5 - INWARD CORRESPONDENCE LIST OF APRIL 2018**

SI.	Document No	Letter	Fron	n	Attach	nments	Cubicat	
No.	Document No	Date	Organization	Writer	Y/N	No.	Subject	
1.	EIL/VSPPL/2017/18 -051	2/4/2018	VSPPL/	Manish	Υ	4	General arrangement	
			UPJN				drawing for C-Tech basin.	
2	EIL/VSPPL/2017/18 - 053	7/4/2018	VSPPL/	Manish	Y	7	Submission of drawing of	
			UPJN				civil GA, R/F details &	
							design calculation of SBR	
							(C - TECH basin)	
3	EIL/VSPPL/2017/18 - 054	10/4/2018	VSPPL/	Manish	Υ	6	Architectural drawings of	
			UPJN				staff quarters	
4	EIL/VSPPL/2017/18 - 054	10/4/2018	VSPPL/	Manish	Υ	3	Plant co-ordinate layout	
			UPJN					
5	EIL/VSPPL/2017/18 - 057	12/4/2018	VSPPL/		Y	1	Dispatch clearance of PSC	
			UPJN				Pipes	
6	EIL/VSPPL/2017/18 - 058	13/4/2018	VSPPL/	Amith	Υ	2	Submission of	
			UPJN	Ghorpade			Construction Plan R3	
7	EIL/VSPPL/2017/18 - 061	18/4/2018	VSPPL/		Υ	3	QAP & design calculation	
			UPJN				of 1000 mm dia MS pipe	
8	EIL/VSPPL/2017/18 - 062	19/4/2018	VSPPL/	Manish	Y	6	Structural - drawings of	
			UPJN				chlorine contact tank	
							(CCT) & treated water PH	
9	EIL/VSPPL/2017/18 - 060	21/4/2018	VSPPL/		Υ	2	Submission of Payment	
			UPJN				Milestone, Annexure – 1 of	
							construction plan	



SI.	Document No	Letter	Fron	1	Attachments		Subject		
No.	Document No	Date	Organization	Writer	Y/N	No.	Subject		
10	EIL/VSPPL/2017/18 - 064	26/4/2018	VSPPL/		Υ	2	Request	for	vendor
			UPJN				approval		
11	EIL/VSPPL/2017/18 - 065	26/4/2018	VSPPL/		Υ	2	Request	for	vendor
			UPJN				approval		
12	EIL/VSPPL/2018-19/069	28/4/2018	VSPPL/	Amit	Υ	2	Submission	of	monthly
			UPJN	Ghorpade			progress rep	ort.	