



रामगुण्डग RAMAGUNDAM

Ref.No:09/EMG/D -07/2018/ 1456

Date: 28/11/2018

То

THE DIRECTOR Regional Office (SEZ) Ministry of Environment, Forest & Climate Change, 1st and 2nd Floors, Handloom Export Promotional Council, 4 Cathedral Garden Road, Nungambakkam, Chennai – 560 034.

Dear Sir

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Sub: Six Monthly Compliance report of EC issued to NTPC Ramagundam and NTPC Telangana-reg

We are herewith submitting the six monthly compliance reports for EC given to our station Ramagundam and our project Telangana pertaining to the period April-2018 to September-2018. Also, please find the stack data, ambient air quality data and dust concentration data for the said period and the CD with soft copy of the reports enclosed herewith.

Thanking you

Yours faith ully For NTPC Ltd

(Y S GUFTA) Addl. General Manager (EI/IC)

E/a

The Environmental Engineer T.S. Pollution Control Board Regional Office: Ramagundam Jyothinagar 505 -215, District, Karimnagar

Paddapa

Ramagundam Super Thermal Power Station, PO: Jyothinagar, Dist: Peddapalli, TS- 505 215: Telephone no.08728-272962 Fax: 08728-272151 Regd. Office:NTPC Limited, NTPC Bhawan, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi-110 003 No. L40101DL1975G01007966 www.ntpc.co.in

STATUS OF IMPLEMENTATION OF CONDITIONS STIPULATED IN

ENVIRONMENTAL CLEARANCE

NAME OF THE PROJECT: RAMAGUNDAM STPP STAGE-III (1X500MW)

LETTER NO: OMNOJ-1301/20/94-IA-II DATED 25/09/1995.

S.No.	STIPULATIONS	STATUS as on 30.09.2018
1.	All the conditions stipulated by the State Pollution Control Board shall be implemented effectively.	All the conditions stipulated by the State Pollution Control Board are being implemented effectively.
2.	A stack of height not less than 275 meters shall be provided along with stack monitoring devices.	Stack height of 275 meter with stack monitoring facilities have been provided.
3.	The Electrostatic Precipitators having efficiency of not less than 99.8 percent shall be installed.	ESP having more than 99.8% efficiency have been provided.
4.	The particulate emission shall not exceed the prescribed limit of 150 mg/Nm ³ at any time.	Particulate Emissions are being maintained within the prescribed limit of 115 mg/l lm ³ by Telangana SPCB.
5.	Space provision shall be made for installation of FGD plant, if felt necessary, at future time.	Adequate Space has been provided in the layout for installation of FGD plant in future. Tendering activities are in advance Stage for providing of FGD in stage-III as per the directions given by CPCB vide lette dated December 11, 2017.
6.	Regular monitoring of air quality (at least two days a week) in and around the power plant shall be carried out and records maintained. Periodic report (on six monthly basis) on air quality shall be submitted to this Ministry.	Ambient Air Quality monitoring for the station for PM ₁₀ , PM _{2.5} , SO ₂ and NO _x is being carried out twice a week at 3 locations identified with SPCB through MOEF&CC recognized laboratory and record maintained. Other parameters as per NAAQ standards are being monitored and submitted along with this report.
7.	Recycling and reuse of ash pond effluents shall be undertaken to the extent possible. There shall be no direct discharge into the river Godavari.	The station has AWRS along with treatment system and the ash pond water is treated and reused to the maximum extent. The existing AWRS is being augmented with additional pipeline and pumping system (work is in progress) for complete reuse of east pond water.
8.	The proposed study on leaching of heavy metals from the ash pond to ground water will be undertaken early and report furnished to this Ministry. Based on the results of the study, corrective measures if any felt necessary shall be implemented.	A geo-hydrological study under the Indo-Dutch collaboration has been corr pleted. The report was submitted to MOEF&CC on 02.06.1997.
9.	NOC from State Pollution Control Board shall be obtained and	No Objection Certificate (NOC) was obtained and submitted to MoEF&CC on 23.08.199.

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	furnished.	
10.	Dust suppression and dust extraction devices shall be installed in the coal handling areas to ensure that the level of dust is well within the prescribed limits.	Dust Suppression and Extraction System in coal handling areas are provided to ensure that the level of dust is well within the prescribed limits.
11.	Closed circuit cooling with induced draft cooling tower shall be provided.	Closed cycle cooling system with induced draft cooling towers has been provided.
12.	The workers in the high noise areas will be provided with ear protection devices.	The workers in the high noise area are provided with appropriate ear projection devices.
13.	A workable plan for ash Utilization starting with at least 20% in the first year and gradually increasing by 10 during subsequent years so as to achieve 100% Utilization by the end of the ninth year shall be prepared and submitted to this Ministry within six	The stage III has been provided with ² 00% Dry ash extraction system since the inceptior stage itself. The dry ash is being issued to manufacturers of cement, RVC and brick/blocks. Balance ash of Stage II is being issued to mine stowing and clay brick manufacturers.
	months.	Revised Ash Utilization Plan submit ed to MoEF&CC on 03.08.2000 and the same is being implemented. In compliance to the latest fly ash notification dated 03.11.2009, revised action plan has also been submitted. In FY 2017-18, the station has achieved ash utilization of 100.95. For 100% ash utilization, station has created following facilities.
-		 Station has installed Dry Ash Extraction System. Also Rail loading facilities commissioned in unit 4 & 5 to meet the distance customer's demand. Pond ash is utilized in Mine stowing purpose, ash dyke raising, clay brick units etc.
14.	In order to conserve water at thermal power station, efforts should be made to utilize the treated water to the maximum extent possible.	1. The treated DM effluent, Coal settling ponds effluent and plant effluent are reused or ash handling. The cooling tower blow down is reused in dust suppression system and as service water.
		2. To conserve precious water a closed circuit cooling water system with induced draft cooling towers has been adopted. For further reducing water consumption, cooling water treat nent is being carried out by chemical dosing to operate the cooling water system at increased C CC.
15.	Liquid effluents shall be treated to conform to the standards prescribed by State/Central Pollution Control Board.	An integrated Effluent Treatment Plan (ETP) cum Ash Water Recirculation System (AWRS) has been provided at the station. Al effluents from plant area are finally treated and effluent confirming to the standards by SFCE/CPCB are discharged from the plant.

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16.	Adequate measures for protection against various hazards such as fire,	Extensive Fire detection and protection system are provided to the satisfaction of the
	respective authorities concerned.	
17.	Green belt of adequate width shall be developed all around the power plant by selecting suitable species in consultation with the authorities of State Forest Department.	Green belt in and around the plant and township has been developed.
18.	As the liquid effluents are finally being discharged into river Godavari, a study on bio-magnification of heavy metals in the aquatic life may be taken up and the report submitted to this Ministry.	The study was undertaken through M/s. Shriram Institute of Industrial Research, Delhi and the report has been forwarced to MoEF&CC vide letter dated 16.08.2004.
19.	During ash pond reclamation, the selection of species to be planted may be made very carefully taking into consideration the nature of the soil and the total climatic conditions in consultation with the authorities of the State Forest Department.	A pioneering attempt of growing selected species like <i>Casuarinas Equisetifolia</i> , <i>Acacia</i> <i>Auriculiformis</i> , <i>Cassia Siamea</i> , <i>Eucalyptus</i> <i>Globules</i> on the ash directly has already been successfully implemented in the abandoned temporary ash pond of RSTPS (before 1990). In the present ash pond reclamation has not yet started. Shall be complied as and when the ash pond is reclaimed.
20.	Stack data to be furnished within three months.	Data is regularly being furnished through six monthly compliance reports. Con inuous emission monitoring system (CE:M-3) for gaseous emissions also has been instal ed and being monitored continuously.
21.	Information on change of emission load with ESP field failures may be furnished.	Adequate care has been taken in the ESP design and function to ensure emission within stipulated standards all the times. Prior information is given to TSPCB, wherever ESP fields/passes taken into isolation for maintenance.
22.	Copy of the confirmation regarding coal linkage to be provided.	Coal linkage had been accorded vide letter dated 02.09.1999. A copy of this letter is submitted to MoEF&CC on 03.08.2000.
23.	Only washed coal shall be used for the project. Fuel; analysis of the washed coal so used shall be carried out every month and records maintained. The analysis report shall form part of the six monthly report to be submitted to this Ministry.	Permission has been granted for uses of raw coal vide MoEF&CC letter dated 14.1.2.1398.
24.	Reduction in fresh water requirement may be examined taking into account the plant as a combined unit by adopting suitable size of the condenser, flow rate and drift.	The closed cooling water system along with dedicated treatment system for CW water enabled the COC increase from 2.0 to 3.5, which has reduced the water requirement. Blow down of CW system is used for equipment cooling and service water purpose before

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		joining plant effluent.
25.	Separate funds should be allocated for implementation of environment protection measures along with item wise breakup. These costs should be included as part of the project cost. The funds earmarked for the environmental protection measures should not be diverted for other purposes and year wise expenditure should be reported to this Ministry.	The funds on environmental protection measures along with item – wise breal:-up is provided in the project cost. The total funds earmarked for environmental protection has not been diverted for other purposes.
26.	Regional office of this Ministry at Bangalore will monitor the implementation of above conditions.	Noted.
27.	The project authorities shall submit to this Ministry a half yearly report on the implementation of the stipulated conditions and environmental safeguards.	Being submitted regularly. Six month y EC Compliance report for the period Apr I'2)18 to September'2018 is submitted herewith

STATUS OF IMPLEMENTATION OF CONDITIONS STIPULATED IN ENVIRONMENTAL CLEAR INCE

);;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	NAME OF THE PROJECT: RAMAGE LETTER NO.J.13011/20/94-1	UNDAM STPP STAGE-III (1X500MW) AII (T) DT.NOVEMBER 8, 2000
S.NO.	STIPULATIONS	STATUS as on 30.09.2018
1.	All the stipulations made in our environmental clearance letter dated 25 th September, 1995 referred to above should be strictly implemented	Status is enclosed separately.
2.	100% fly ash utilization should be ensured by 9 th year as per the broad utilization Plan submitted along with NTPC's communication no. CC: ESE: 3100:2000: GEN: 4B dated 3 rd August 2000.	The stage III has been provided with 100 % Dry ash extraction system since the inception stage itself. The dry ash is being issued to manufacturers of cement, RMC and brick/blocks. Balance ash of Stage III is being issued to mine stowing and clay brick manufacturers.
		Revised Ash Utilization Plan submitted to MoEF&CC on 03.08.2000 and the same is being implemented.
		In compliance to latest fly ash notification dated 03.11.2009, revised action plan has also been submitted. In FY 2017-18, the statior has achieved ash utilization of 100 95%.
	. •	For 100% ash utilization, station has created following facilities.
		Station has installed Dry Ash Extraction System. Rail loading facilities commissior ed in unit 4 & 5 to meet the distance customer's demand.
		Pond ash is utilized for Mine stowing our use

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		ash dyke raising, clay brick units, etc.
3.	The findings of the study on Bio- magnification of heavy metals in the aquatic life due to discharge of liquid effluents into Godavari river should be submitted along with the Management Plan within one year.	The study was undertaken through M/s. Shriram Institute of Industrial Research, Delhi and the report has been forwarded to MoEF&CC vide letter dated 16.08.2004.
4.	A copy of the Geo-hydrological study under Indo-Dutch collaboration should be submitted along with the plans for necessary corrective measures to avoid leaching of heavy metals from ash pond area to ground water.	A Geo-hydrological study under the Indo-Dutch collaboration has been completed. The report was submitted to MOEF&CC on 2 nd June, 1997. (A detailed study to understand Geology of N2 Ash Pond as recommended in the Indo-Dutch Report has been completed.)
5.	Rs.162.38 crores earmarked for environmental measures should not be diverted for any other activity and provision should be made for additional funds, if required.	The earmarked amount of environmental measures was not diverted for any other activity. Any additional funds required for environmental mitigation measures would be met from miscellaneous fund kept in the Operation & Maintenance fund of the project.
RECO	MMENDATIONS GIVEN BY MOEF FOR	IMMEDIATE CORRECTIVE ACTIONS
S.No.	RECOMMENDATIONS OF RO, MoEF&CC	COMPLIANCE STATUS AND ACTION PLAN
i.	Condition in EC: Regular monitoring of air quality (at least two days a week) in and around the power plant shall be carried out and records maintained. Periodic report (on six monthly basis) on air quality shall be submitted to this ministry. Certified compliance: Ambient air quality monitoring is being carried out twice in a week by third party at 3 locations identified with SPCB and records are being maintained. However, third party monitored AAQ parameters are not confirmed to the latest NAAQ standards. Further the unit has installed 3 online continuous AAQ monitoring stations which are connected to the server of state PCB. The monitored AAQ data is well within prescribed limits. The monitored data is being submitted along with six monthly compliance report to the MoEF&CC.	Third party AAQ monitoring for the parameters of PM ₁₀ , PM _{2.5} , SO ₂ , and NOx are being carried out through MOEF&CC recognized labs on weekly twice basis, and data is submitted to MOEF&CC and state PCB. The parameters are conforming to latest NAAQ standards.
11.	Condition in EC: Recycling and Re- use of ash pond effluents shall be undertaken to the extent possible. There shall be no direct discharge into river Godavari. Certified compliance: It appears that 70% of ash pond water is being treated and reused for ash handling.	Station has installed AWRS for all its units where in ash water to the maximum extent is brought back, treated and reused. Also contract awarded for additional line with pumping system for maximizing ash water re- use and work is in progress and expected to be completed by December 2018.

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	However part of ash pond water is being discharged without treatment to the nearby agricultural fields.	
111.	Certified compliance: Reportedly Ash utilization plan submitted. However PA has not achieved 100% ash utilization. As informed by PA in the year 2014- 15 the unit has achieved 64.4% of ash utilization.	During 2017-18, station has utilised 100.95% of ash. For 100% ash utilisation, station is putting all efforts, which has resulted in several new areas for ash utilisation like mine stowing, pond ash use in clay bricks, agriculture, Rajiv Rahadari expansion works, etc.
		 Dry fly ash from ESP/ Silo to cemert and RMC industries Station is issuing dry fly ash to fly ash brick and block units free of cost in line with MOEF&CC notification. Ash is issued from ash pond free cf cost in
		 line with MOEF&CC notification to SCCL for mine stowing, clay brick units and state Road expansion works. For 100% AU, rail Loading facility with closed wagons installed and commissioned, in unit 4 and 5 (2x 500MW). Separate Parking yard for ash vehicles & Separate entry gate for ash vehicles facilitated to reduce the cycle time. Customer interaction meetings are being conducted for all existing and potential future customers sector -wise from time to time. Regular meetings are being held with the brick plants (both fy ash and clay bricks) and they are being motivated to use fly ash for brick plants are being operated by us for n-house
		 consumption and requirement from outside. Also SCCL has agreed to give their Me lipalli OCP for ash filling after abandoning the same. Studies are in progress w.r.t hydrogeology and Biotic.
iv.	Certified compliance: An integrated effluent treatment cum ash water recirculation system (AWRS) has been provided. All effluents from plant area are finally treated and treated effluent confirmed to the discharge standards. However, during the visit inadequate treatment of effluent was observed due to maintenance of clarifier. Further the parameters monitored for the inlet and outlet of the ETP are not in uniform manner and it needs to be analysed on daily basis. Domestic effluents are being treated in the STP	Sufficient care is taken during design and O&M that effluent parameters are well within limits during the maintenance of clarifier as two clarifiers are available. The effluent parameters are monitored daily basis. Started monitoring of ETP inlet and putlet parameters also on daily basis.

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3		OL III
٧.	Certified compliance: Presently ash	Shall be complied.
	pond reclamation has not yet started,	
	since it is under use. PA assured to	
	comply with the condition	
	Contified compliance: Stack emissions	Continuous Emission Monitoring Systers for
VI.	Certified compliance. Stack emissions	access also installed in all the units for SIPM, SO2
	are being monitored by MOEFacc	gases also instance in an ine entitle for ering ere
	approved third party and data is being	and NOX and data connected to or or and
	furnished along with six monthly	CPCB.
	compliance reports. Further	
	continuous on-line stack monitoring	
	has been installed and connected to	
	the server of state PCB. However in	
	the continuous stack monitoring	
	the continuous stack monitoring	
	system, project authority needs to	
	monitor gaseous emission also apart	
	from SPM	"I de la companya ante la
vii.	Certified compliance: PA informed	Capital nature expenditure of environment is
	they have spent more than the	already captured separately.
	earmarked amount. However no	
	congrate account is being maintained	
	separate account is being maintained	
	under environmental protection	
	measures.	O fi ward hard eany both all being
viii.	Certified compliance: PA submitted	Soft copy and hard copy both are being
	hard copy of six monthly compliance	submitted
	report to the MoEF&CC. Soft copy of	
	the six monthly compliance report has	e e e e e e e e e e e e e e e e e e e
	not been submitted to RO of the	
	MoEE &CC regularly Six monthly	
	compliance report needs to be	
	automitted by Broject Authority both in	
	submitted by Project Authonity both in	
	hard and soft copies along with	
	monitored data to the Regional office	
	of MoEF&CC. The same needs to be	10 N
	uploaded on the website of the	
	company and periodically	
ix	Certified compliance: Treated water is	Technical and logistical feasibility under
1.	partly utilized for ash handling/ash	examination.
1.1	slurny numping and nartly discharged	
	in the Diver Codeverial It appears that	
	In to River Gouavail. It appeals that	
	unit do not have dedicated pipeline till	
	the discharge point of the river rather	
1.1	the treated water of the unit getting	
	mixed up with domestic waste water	
	drainages before confluence into the	
	river Godavari Necessary corrective	
	action needs to be taken to avoid	
	action needs to be taken to avoid	
	the atmost of offluents by M/s NTDO	6
	treatment of entuents by M/S NTPC.	

TABLE-1: AMBIENT AIR QUALITY MONITORING DATA FOR APRIL - ' 2018 TO SEPTEMBER '2018

and the second second			Concentrati	on (µg/m³)	
Month/Date	Location	PM-10	PM-2.5	SO2	NOx
RIL'18					
02.04.2018	Balancing Reservoir	70	31	18	20
	Ramagundam Pump House	72	31	16	19
	Guest House	68	30	17	18
03.04.2018	Balancing Reservoir	78	32	19	21
and the second second	Ramagundam Pump House	75	28	17	19
1000	Guest House	60	28	16 -	18
09.04.2018	Balancing Reservoir	75	30	18	20
	Ramagundam Pump House	78	30	18	15
	Guest House	65	30	16	17
10.04.2018	Balancing Reservoir	70	29	18	22
	Ramagundam Pump House	69	29	19	17
	Guest House	66	28	17	20
16.04.2018	Balancing Reservoir	74	32	19	20
	Ramagundam Pump House	72	31	17	19
	Guest House	68	29	18	21
17.04.2018	Balancing Reservoir	76	30	18	21
	Ramagundam Pump House	79	32	18	15
	Guest House	67	28	18	20
23.04.2018	Balancing Reservoir	79	33	19	22
	Ramagundam Pump House	73	28	19	16
191.	Guest House	64	27	17	21
24.04.2018	Balancing Reservoir	75	32	18	19
	Ramagundam Pump House	73	27	19	18
	Guest House	69	29	18	21
Y'18				Marca 10-10-10-	
02.05.2018	Balancing Reservoir	72	33	19	19
	Ramagundam Pump House	74	33	18	21
	Guest House	71	32	20	20
03.05.2018	Balancing Reservoir	79	34	20	23
	Ramagundam Pump House	77	30	19	20
1.1	Guest House	64	31	18	21
09.05.2018	Balancing Reservoir	77	32	19	22
	Ramagundam Pump House	79	31	19	18
	Guest House	67	32	18	19
10.05.2018	Balancing Reservoir	72	30	19	24
	Ramagundam Pump House	71	30	20	19
	Guest House	68	30	19	22
16.05.2018	Balancing Reservoir	74	33	20	22
	Ramagundam Pump House	74	33	19	21
	Guest House	72	32	20	23
17.05.2018	Balancing Reservoir	78	32	20	23
	Ramagundam Pump House	78	31	17	16
	Guest House	69	29	19	22
23.05.2018	Balancing Reservoir	78	34	20	24
	Ramagundam Pump House	75	30	21	18
	Guest House	66	29	18	. 23
24.05.2018	Balancing Reservoir	77	33	21	20
	Ramagundam Pump House	74	29	21	20
Contraction of the contraction	Guest House	. 72	32	20	22

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TABLE-1: AMBIENT AIR QUALITY MONITORING DATA FOR APRIL - ' 2018 TO SEPTEMBER '2018

State of the State		Concentration (µg/m ³)			1
Month/Date	Location	PM-10	PM-2.5	SO2	NOx
INF'18				10	20
06.06.2018	Balancing Reservoir	73	31	10	20
	Ramagundam Pump House	78	32	- 19	22
	Guest House	68	30	20	23
07.06.2018	Balancing Reservoir	78	35	19	21
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ramagundam Pump House	75	29	10	22
11-11-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Guest House	70	32	19	24
13 06 2018	Balancing Reservoir	75	32	20	24
10100110-10	Ramagundam Pump House	72	30	18	22
	Guest House	72	33		22
14.06.2018	Balancing Reservoir	73	33	21	23
14.00.2020	Ramagundam Pump House	69	29	19	20
and the second second	Guest House	69	31	18	21
20.06.2018	Balancing Reservoir	76	34	21	24
20.00.2020	Ramagundam Pump House	76	31	20	23
	Guest House	71	30	19	20
21.05.2018	Balancing Reservoir	75	30	19	22
21.00.2010	Ramagundam Pump House	74	30	18	20
	Guest House	70	32	20	22
27.06.2019	Balancing Reservoir	76	32	20	23
27.06.2018	Ramagundam Pump House	77	31	20	22
	Guert House	67	28	18	21
20.00.2018	Relancing Reservoir	72	30	19	23
28.06.2018	Barancing Reservon	78	33	19	23
	Guert House	69	29	19	21
	Gueschouse				
ULY 18	Balancing Reservoir	68	29	16	18
04.07.2018	Baranundam Rump House	74	30	17	20
	Guest House	63	28	18	21
05 07 2010	Balancing Reservoir	72	32	17	19
05.07.2018	Barancing Reservon	70	27	16	19
	Cuest House	65	30	17	20
	Guest House	70	30	18	22
11.07.2018	Balancing Reservoir	68	28	16	20
	Ramagundam Pump House	68	31	19	21
	Guest House	69	31	19	21
12.07.2018	Balancing Reservoir	64	26	18	19
the second second	Ramagundarii Purip House	64	29	16	19
	Guest House	71	32	18	22
18.07.2018	Balancing Reservoir	72	29	19	22
	Kamagundam Pump House	60	25	18	19
	Guest House	83	28	17	20
19.07.2018	Balancing Reservoir	70	28	16	18
	Ramagundam Pump House	10	20	19	20
	Guest House	70	20	18	21
25.07.2018	Balancing Reservoir	/0	20	10	21
	Ramagundam Pump House	/4	29	15	10
	Guest House	62	20	10	21
26.07.2018	Balancing Reservoir	66	2/	10	21
	Ramagundam Pump House	72	30	18	21
	Guest House	64	27	18	20

TABLE-1: AMBIENT AIR QUALITY MONITORING DATA FOR APRIL - ' 2018 TO SEPTEMBER '2018

Month/Date Location PM-10 PM-2.5 SO2 UIGUST 18 Balancing Reservoir 65 28 15 01.08.2018 Balancing Reservoir 72 29 18 01.08.2018 Balancing Reservoir 70 31 15 02.08.2018 Balancing Reservoir 70 31 15 02.08.2018 Balancing Reservoir 68 26 15 03.08.2018 Balancing Reservoir 68 30 17 03.08.2018 Balancing Reservoir 70 32 20 03.08.2018 Balancing Reservoir 70 32 17 Guest House 65 30 15 15 03.08.2018 Balancing Reservoir 64 26 17 15.0.08.2018 <				Concentrati	on (µg/m ³)	
UGUST 18 Image Image <thimage< th=""> Image Image <</thimage<>	Month/Date	Location	PM-10	PM-2.5	SO2	NOx
01.08.2018 Balancing Reservoir 65 28 1.5 Ramagundam Pump House 72 29 18 Guest House 61 26 16 02.08.2018 Balancing Reservoir 70 31 15 Ramagundam Pump House 68 26 15 15 Guest House 63 29 16 16 08.08.2018 Balancing Reservoir 68 30 17 Ramagundam Pump House 69 29 17 Guest House 66 29 18 09.08.2018 Balancing Reservoir 70 32 20 Ramagundam Pump House 69 28 17 15 Guest House 64 26 17 16 Guest House 64 26 17 15 Guest House 63 29 18 18 Guest House 61 25 15 15 Guest House 61 25 15	UST'18				15	17
Ramagundam Pump House 72 29 18 Guest House 61 26 16 02.08.2018 Balancing Reservoir 70 31 15 Guest House 68 26 15 Guest House 68 29 16 08.08.2018 Balancing Reservoir 68 30 17 Guest House 69 29 17 1 Guest House 66 29 18 1 O9.08.2018 Balancing Reservoir 70 32 20 1 Guest House 66 29 17 1	01.08.2018	Balancing Reservoir	65	28	15	19
Guest House 61 26 18 02.08.2018 Balancing Reservoir 70 31 15 Ramagundam Pump House 68 26 15 Guest House 63 29 16 08.08.2018 Balancing Reservoir 68 30 17 Guest House 69 29 17 Guest House 66 29 18 09.08.2018 Balancing Reservoir 70 32 20 Ramagundam Pump House 65 30 15 17 Guest House 65 30 15 16 Guest House 64 26 17 16 Guest House 63 29 18 17 Guest House 63 29 18 18 Guest House 63 29 18 17 Guest House 63 29 18 18 Guest House 63 29 17 15 Guest H		Ramagundam Pump House	72	29	10	20
02.08.2018 Balancing Reservoir 70 31 15 Ramagundam Pump House 68 29 16 Guest House 63 29 16 08.08.2018 Balancing Reservoir 68 30 17 Ramagundam Pump House 69 29 17 Guest House 66 29 18 09.08.2018 Balancing Reservoir 70 32 200 Ramagundam Pump House 65 30 15 17 Guest House 66 29 17 15 Guest House 64 26 17 15 Guest House 64 28 18 16 Guest House 63 29 18 18 Cols.2018 Balancing Reservoir 71 32 17 Guest House 63 29 18 18 Cols.2018 Balancing Reservoir 71 32 17 Scost House 65 28 19 <td></td> <td>Guest House</td> <td>61</td> <td>26</td> <td>16</td> <td>19</td>		Guest House	61	26	16	19
Ramagundam Pump House 68 26 15 Guest House 63 29 16 08.08.2018 Balancing Reservoir 66 30 17 Ramagundam Pump House 69 29 17 Guest House 66 29 18 09.08.2018 Balancing Reservoir 70 32 20 Ramagundam Pump House 66 29 17 1 Guest House 65 30 15 15 15.08.2018 Balancing Reservoir 66 29 17 Guest House 65 30 15 15 15.08.2018 Balancing Reservoir 64 26 17 Guest House 63 29 18 17 Guest House 63 29 18 15 22.08.2018 Balancing Reservoir 71 32 17 Ramagundam Pump House 71 29 17 15 23.08.2018 Balancing Reservoir <td< td=""><td>02.08.2018</td><td>Balancing Reservoir</td><td>70</td><td>31</td><td>15</td><td>20</td></td<>	02.08.2018	Balancing Reservoir	70	31	15	20
Guest House 63 29 16 08.08.2018 Balancing Reservoir 68 30 17 Ramagundam Pump House 69 29 18 09.08.2018 Balancing Reservoir 70 32 20 Ramagundam Pump House 66 29 18 09.08.2018 Balancing Reservoir 70 32 20 Guest House 65 30 15 15 Guest House 66 29 17 17 Ramagundam Pump House 69 28 17 16 Guest House 64 28 18 16 Guest House 63 29 17 15 Guest House 63 29 17 18 Guest House 63 29 17 15 Guest House 61 25 15 15 20.8.2018 Balancing Reservoir 71 29 17 Guest House 63 28 1	01.00.110.110	Ramagundam Pump House	68	26	15	10
08.08.2018 Balancing Reservoir 68 30 17 Ramagundam Pump House 69 29 17 Guest House 66 29 18 09.08.2018 Balancing Reservoir 70 32 20 Ramagundam Pump House 65 30 15 Guest House 65 30 15 15.08.2018 Balancing Reservoir 66 29 17 Ramagundam Pump House 69 28 17 Guest House 64 26 17 16.08.2018 Balancing Reservoir 64 28 18 Quest House 63 29 18 18 Guest House 63 29 18 17 Guest House 61 25 15 15 20.80.2018 Balancing Reservoir 71 29 17 Guest House 65 29 17 15 Quest House 65 29 17 12 <t< td=""><td></td><td>Guest House</td><td>63</td><td>29</td><td>16</td><td>19</td></t<>		Guest House	63	29	16	19
Ramagundam Pump House 69 29 17 Guest House 66 29 18 09.08.2018 Balancing Reservoir 70 32 20 Ramagundam Pump House 70 25 17 Guest House 65 30 15 15.08.2018 Balancing Reservoir 66 29 17 Guest House 64 26 17 1 Guest House 64 26 17 1 Guest House 64 26 17 1 Guest House 63 29 18 1 Guest House 63 29 18 1 Guest House 63 29 18 1 Guest House 61 25 15 1 Guest House 61 25 15 1 Guest House 65 28 19 1 Colest House 65 29 17 1 Guest House<	08.08.2018	Balancing Reservoir	68	30	1/	20
Guest House 66 29 18 09.08.2018 Balancing Reservoir 70 32 20 Ramagundam Pump House 70 25 17 Guest House 65 30 15 15.08.2018 Balancing Reservoir 66 29 17 Guest House 64 28 17 Guest House 64 28 18 Ramagundam Pump House 70 27 15 Guest House 63 29 18 20.08.2018 Balancing Reservoir 71 32 17 Guest House 63 29 18 16 21.08.2018 Balancing Reservoir 71 32 17 Ramagundam Pump House 71 29 17 17 Susset House 61 25 15 15 23.08.2018 Balancing Reservoir 66 27 15 Guest House 61 28 6 16 Guest	00.00.00	Ramagundam Pump House	69	29	1/	19
09.08.2018 Balancing Reservoir 70 32 20 Ramagundam Pump House 70 25 17 Guest House 65 30 15 15.08.2018 Balancing Reservoir 66 29 17 Ramagundam Pump House 69 28 17 Guest House 64 26 17 Guest House 64 26 17 Guest House 63 29 18 Colorest House 63 29 18 Guest House 63 29 18 Guest House 61 25 15 Guest House 61 25 15 Quest House 61 25 15 Salancing Reservoir 65 28 19 Ramagundam Pump House 71 29 17 Guest House 65 29 17 Guest House 66 27 15 Ramagundam Pump House 67 26		Guest House	66	29	18	20
Dotation Dotation Promote House 70 25 17 Guest House 655 30 15 15.08.2018 Balancing Reservoir 66 29 17 Guest House 64 26 17 Guest House 64 26 17 Guest House 64 28 18 Ramagundam Pump House 70 27 15 Guest House 63 29 18 Ramagundam Pump House 70 27 15 Guest House 63 29 18 Scott House 63 29 18 Guest House 61 25 15 Scott House 65 28 19 Ramagundam Pump House 71 29 17 Guest House 65 29 17 Guest House 68 28 16 Guest House 63 28 6 Guest House 63 28 <t< td=""><td>00.09.2018</td><td>Balancing Reservoir</td><td>70</td><td>32</td><td>20</td><td>21</td></t<>	00.09.2018	Balancing Reservoir	70	32	20	21
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Utest Note: 66 29 17 Ramagundam Pump House 69 28 17 Guest House 64 26 17 16.08.2018 Balancing Reservoir 64 28 18 Ramagundam Pump House 70 27 15 15 Guest House 63 29 18 17 Quest House 63 29 18 17 Quest House 63 29 18 17 Quest House 61 25 15 15 Guest House 61 25 15 16 Quest House 61 25 17 17 Guest House 65 28 19 17 Guest House 65 29 17 15 Ramagundam Pump House 68 28 16 16 Guest House 63 28 16 15 15 Guest House 66 27 15 15		Guest House	65	30	15	19
15.08.2018 Balancing Reservoir 69 28 17 Guest House 64 26 17 16.08.2018 Balancing Reservoir 64 28 18 Ramagundam Pump House 70 27 15 Guest House 63 29 18 22.08.2018 Balancing Reservoir 71 32 17 Ramagundam Pump House 73 28 18 Guest House 61 25 15 23.08.2018 Balancing Reservoir 65 28 19 Ramagundam Pump House 71 29 17 Guest House 65 29 17 Guest House 65 29 17 Suest House 65 29 17 Suest House 65 29 17 Suest House 65 29 17 Guest House 63 28 6 Guest House 67 26 15 Guest House <td>15 00 2018</td> <td>Relancing Reservoir</td> <td>66</td> <td>29</td> <td>17</td> <td>20</td>	15 00 2018	Relancing Reservoir	66	29	17	20
Karlaguindan Pump House 64 26 17 16.08.2018 Balancing Reservoir 64 28 18 Ramagundam Pump House 70 27 15 15 Guest House 63 29 18 17 Guest House 63 29 18 17 Ramagundam Pump House 71 32 17 15 Quest House 61 25 15 15 Quest House 61 25 15 15 Quest House 61 25 15 16 Guest House 65 29 17 17 Guest House 65 29 17 16 Ramagundam Pump House 66 27 15 15 Ramagundam Pump House 66 27 15 16 Guest House 67 26 15 15 Guest House 67 26 15 15 Guest House 67 26 <td>15.08.2018</td> <td>Remaguadam Pump House</td> <td>69</td> <td>28</td> <td>17</td> <td>21</td>	15.08.2018	Remaguadam Pump House	69	28	17	21
Interpret/1005 Interpret/1005 Interpret/1005 Interpret/1005 16.08.2018 Balancing Reservoir 70 27 15 Ramagundam Pump House 70 27 15 Guest House 63 29 18 22.08.2018 Balancing Reservoir 71 32 17 Ramagundam Pump House 73 28 18 18 Guest House 61 25 15 15 Ramagundam Pump House 71 29 17 Ramagundam Pump House 65 28 19 Ramagundam Pump House 66 27 15 Guest House 65 29 17 29.08.2018 Balancing Reservoir 66 27 15 Ramagundam Pump House 63 28 6 16 Guest House 63 28 16 15 Guest House 67 26 15 15 Guest House 67 26 15 16		Cuest House	64	26	17	18
16.08.2018 Balancing Reservoir 70 27 15 Guest House 63 29 18 17 Ramagundam Pump House 71 32 17 15 Ramagundam Pump House 73 28 18 17 Ramagundam Pump House 61 25 15 15 23.08.2018 Balancing Reservoir 65 28 19 Ramagundam Pump House 65 29 17 Guest House 65 29 17 Guest House 65 29 17 Guest House 66 27 15 Ramagundam Pump House 68 28 16 Guest House 63 28 6 30.08.2018 Balancing Reservoir 70 30 18 Ramagundam Pump House 67 26 15 Guest House 66 27 15 Guest House 63 28 16 Ramagundam Pump House 70		Guest House	64	28	18	21
Ramagundam Pump House 63 29 18 22.08.2018 Balancing Reservoir 71 32 17 Ramagundam Pump House 73 28 18 Guest House 61 25 15 23.08.2018 Balancing Reservoir 65 28 19 Ramagundam Pump House 71 29 17 Guest House 65 28 19 Ramagundam Pump House 66 27 15 Quest House 66 27 15 Support 66 27 15 Quest House 63 28 16 Guest House 63 28 6 30.08.2018 Balancing Reservoir 70 30 18 Ramagundam Pump House 67 26 15 Guest House 66 27 15 SteptemBER'18	16.08.2018	Balancing Reservoir	70	27	15	18
Duest Diamage Diamagee <thdiamagee< th=""> Diamagee <t< td=""><td></td><td>Cuest House</td><td>63</td><td>29</td><td>18</td><td>19</td></t<></thdiamagee<>		Cuest House	63	29	18	19
22.08.2018 Balancing Reservoir 73 28 18 Ramagundam Pump House 73 28 15 15 Suest House 61 25 15 15 Ramagundam Pump House 71 29 17 Guest House 65 28 19 Ramagundam Pump House 71 29 17 Guest House 65 29 17 Guest House 66 27 15 Ramagundam Pump House 68 28 16 Guest House 63 28 6 30.08.2018 Balancing Reservoir 70 30 18 Ramagundam Pump House 67 26 15 Guest House 66 27 15 SEPTEMBER'18		Guest House	71	32	17	22
Ramagundam Pump House F3 Lo Guest House 61 25 15 23.08.2018 Balancing Reservoir 65 28 19 Ramagundam Pump House 71 29 17 Guest House 65 29 17 Suest House 66 27 15 Ramagundam Pump House 68 28 16 Guest House 63 28 6 Guest House 66 27 15 Guest House 68 30 16 Ramagundam Pump House 70 30 18 Guest House <t< td=""><td>22.08.2018</td><td>Balancing Reservoir</td><td>73</td><td>28</td><td>18</td><td>20</td></t<>	22.08.2018	Balancing Reservoir	73	28	18	20
Guest House O1 D2 23.08.2018 Balancing Reservoir 65 28 19 Ramagundam Pump House 71 29 17 Guest House 65 29 17 29.08.2018 Balancing Reservoir 66 27 15 Ramagundam Pump House 68 28 16 1 Quest House 63 28 6 1 Guest House 63 28 6 1 Guest House 63 28 6 1 Guest House 63 28 6 1 Balancing Reservoir 70 30 18 1 Guest House 66 27 15 1 SEPTEMBER'18		Ramagundam Pump House	61	25	15	18
23.08.2018 Balancing Reservoir 05 10 Ramagundam Pump House 71 29 17 Guest House 65 29 17 29.08.2018 Balancing Reservoir 66 27 15 Ramagundam Pump House 68 28 16 Guest House 63 28 6 Guest House 63 28 6 30.08.2018 Balancing Reservoir 70 30 18 Ramagundam Pump House 67 26 15 15 Guest House 66 27 15 15 Guest House 66 27 15 15 Guest House 66 27 15 16 Ramagundam Pump House 70 30 18 16 Guest House 63 28 18 16 Guest House 70 30 18 16 Guest House 63 28 16 16 Guest Hou		Guest House	65	28	19	20
Ramagundam Pump House 71 29 11 Guest House 65 29 17 29.08.2018 Balancing Reservoir 66 27 15 Ramagundam Pump House 68 28 16 Guest House 63 28 6 30.08.2018 Balancing Reservoir 70 30 18 Ramagundam Pump House 67 26 15 1 Guest House 66 27 15 1 05.09.2018 Balancing Reservoir 68 30 16 Guest House 63 28 18 1 06.09.2018 Balancing Reservoir 72 33 17 Ramagundam Pump House 72 32 16 1 12.09.2018 Balancing Reservoir 70 32	23.08.2018	Balancing Reservoir	71	20	17	19
Guest House b5 29 17 29.08.2018 Balancing Reservoir 66 27 15 Ramagundam Pump House 68 28 16 Guest House 63 28 6 30.08.2018 Balancing Reservoir 70 30 18 Ramagundam Pump House 67 26 15 1 Guest House 66 27 15 1 05.09.2018 Balancing Reservoir 68 30 16 Guest House 63 28 18 1 06.09.2018 Balancing Reservoir 72 33 17 Ramagundam Pump House 72 32 16 1 12.09.2018 Balancing Reservoir 70		Ramagundam Pump House	/1	20	17	19
29.08.2018 Balancing Reservoir b6 27 13 Ramagundam Pump House 68 28 16 1 Guest House 63 28 6 1 30.08.2018 Balancing Reservoir 70 30 18 1 Ramagundam Pump House 67 26 15 1 1 Guest House 66 27 15 1 1 Guest House 66 27 15 1 <t< td=""><td></td><td>Guest House</td><td>65</td><td>23</td><td>15</td><td>17</td></t<>		Guest House	65	23	15	17
Ramagundam Pump House 68 28 10 Guest House 63 28 6 30.08.2018 Balancing Reservoir 70 30 18 Ramagundam Pump House 67 26 15 10 Guest House 66 27 15 10 Guest House 66 27 15 10 SEPTEMBER'18 16 12 05.09.2018 Balancing Reservoir 68 30 16 Ramagundam Pump House 70 30 18 12 05.09.2018 Balancing Reservoir 63 28 18 06.09.2018 Balancing Reservoir 72 33 17 Ramagundam Pump House 65 30 18 12 06.09.2018 Balancing Reservoir 70 32 16 Guest House 65 30 18 12 12.09.2018 Balancing Reservoir 70 32 18 Guest House	29.08.2018	Balancing Reservoir	60	27	15	18
Guest House 63 28 0 30.08.2018 Balancing Reservoir 70 30 18 1 Ramagundam Pump House 67 26 15 1 Guest House 66 27 15 1 SEPTEMBER'18 16 1 05.09.2018 Balancing Reservoir 68 30 16 1 05.09.2018 Balancing Reservoir 68 30 18 1 05.09.2018 Balancing Reservoir 63 28 18 1 06.09.2018 Balancing Reservoir 72 33 17 1 Ramagundam Pump House 65 30 18 1 06.09.2018 Balancing Reservoir 72 32 16 1 Guest House 65 30 18 1 1 1 1 04.09.2018 Balancing Reservoir 70 32 18 1 1 1 1 1		Ramagundam Pump House	68	28	6	18
30.08.2018 Balancing Reservoir 70 30 18 Ramagundam Pump House 67 26 15 1 Guest House 66 27 15 1 SEPTEMBER'18 66 27 15 1 05.09.2018 Balancing Reservoir 68 30 16 1 Guest House 63 28 18 1 1 1 06.09.2018 Balancing Reservoir 72 33 17 1 Guest House 63 28 18 1 06.09.2018 Balancing Reservoir 72 33 17 Ramagundam Pump House 72 32 16 1 Guest House 65 30 18 1 12.09.2018 Balancing Reservoir 70 32 18 Guest House 65 28 16 1 Guest House 61 26 17 1 13.09.2018 Balancing Reservoir <t< td=""><td></td><td>Guest House</td><td>63</td><td>28</td><td>10</td><td>20</td></t<>		Guest House	63	28	10	20
Ramagundam Pump House 67 26 13 Guest House 66 27 15	30.08.2018	Balancing Reservoir	70	30	10	18
Guest House 66 27 13 SEPTEMBER'18		Ramagundam Pump House	67	26	15	10
SEPTEMBER'18 C <thc< th=""> C <thc< th=""> C <thc< th=""> C <thc< th=""> <thc< <="" td=""><td></td><td>Guest House</td><td>66</td><td>21</td><td>15</td><td>15</td></thc<></thc<></thc<></thc<></thc<>		Guest House	66	21	15	15
05.09.2018 Balancing Reservoir 68 30 16 Ramagundam Pump House 70 30 18 1 Guest House 63 28 18 1 06.09.2018 Balancing Reservoir 72 33 17 Ramagundam Pump House 72 32 16 1 Guest House 65 30 18 1 Guest House 65 30 18 1 12.09.2018 Balancing Reservoir 70 32 18 1 12.09.2018 Balancing Reservoir 70 32 18 1 Guest House 65 28 16 1	TEMBER'18				1 15	10
Ramagundam Pump House 70 30 18 Guest House 63 28 18 06.09.2018 Balancing Reservoir 72 33 17 Ramagundam Pump House 72 32 16 Guest House 65 30 18 12.09.2018 Balancing Reservoir 70 32 18 12.09.2018 Balancing Reservoir 70 32 18 Guest House 65 28 16 16 Guest House 65 28 16 16 Guest House 65 28 16 16 Guest House 61 26 17 13.09.2018 Balancing Reservoir 68 30 19 12 Ramagundam Pump House 68 27 18 18 19 13.09.2018 Balancing Reservoir 68 27 18 19 12 13 14 14 14 14 14 14 14 14 14 <t< td=""><td>05.09.2018</td><td>Balancing Reservoir</td><td>68</td><td>30</td><td>16</td><td>19</td></t<>	05.09.2018	Balancing Reservoir	68	30	16	19
Guest House 63 28 18 06.09.2018 Balancing Reservoir 72 33 17 Ramagundam Pump House 72 32 16 16 Guest House 65 30 18 18 12.09.2018 Balancing Reservoir 70 32 18 Ramagundam Pump House 65 28 16 18 Guest House 65 28 16 16 Guest House 65 28 16 16 Guest House 61 26 17 13.09.2018 Balancing Reservoir 68 30 19 13.09.2018 Balancing Reservoir 68 27 18 16 16 16 16 16 16 16 17 17 13.09.2018 Balancing Reservoir 68 27 18 18 16 16 18 19 16 16 16 16 16 16 16 16 17 16 16 16<	No.	Ramagundam Pump House	70	30	18	21
06.09.2018 Balancing Reservoir 72 33 17 Ramagundam Pump House 72 32 16		Guest House	63	28	18	21
Ramagundam Pump House 72 32 16 Guest House 65 30 18 12.09.2018 Balancing Reservoir 70 32 18 Ramagundam Pump House 65 28 16 Guest House 61 26 17 13.09.2018 Balancing Reservoir 68 30 19 Ramagundam Pump House 68 27 18 Guest House 63 27 16 Guest House 63 27 16	06.09.2018	Balancing Reservoir	72	33	17	20
Guest House 65 30 18 12.09.2018 Balancing Reservoir 70 32 18 Ramagundam Pump House 65 28 16 Guest House 61 26 17 13.09.2018 Balancing Reservoir 68 30 19 Ramagundam Pump House 68 27 18 Guest House 63 27 16 Guest House 66 29 17		Ramagundam Pump House	72	32	16	9
12.09.2018 Balancing Reservoir 70 32 18 Ramagundam Pump House 65 28 16 Guest House 61 26 17 13.09.2018 Balancing Reservoir 68 30 19 Ramagundam Pump House 68 27 18 Guest House 63 27 16 Guest House 66 29 17		Guest House	65	30	18	20
Ramagundam Pump House 65 28 16 Guest House 61 26 17 13.09.2018 Balancing Reservoir 68 30 19 Ramagundam Pump House 68 27 18 Guest House 63 27 16 Guest House 66 29 17	12.09.2018	Balancing Reservoir	70	32	18	21
Guest House 61 26 17 13.09.2018 Balancing Reservoir 68 30 19 Ramagundam Pump House 68 27 18 Guest House 63 27 16 10.09.2018 Balancing Reservoir 66 29 17		Ramagundam Pump House	65	28	16	18
13.09.2018 Balancing Reservoir 68 30 19 Ramagundam Pump House 68 27 18 Guest House 63 27 16 10.09.2018 Balancing Reservoir 66 29 17		Guest House	61	26	17	18
Ramagundam Pump House 68 27 18 Guest House 63 27 16 10.00 2018 Balancing Reservoir 66 29 17	13 09 2018	Balancing Reservoir	68	30	19	22
Guest House 63 27 16 10 00 2018 Balancing Reservoir 66 29 17	15.05.2010	Ramagundam Pump House	68	27	18	22
10 00 2018 Balancing Reservoir 66 29 17		Guest House	63	27	16	19
	19 09 2018	Balancing Reservoir	66	29	17	23
Ramagundam Pump House 71 29 16	19.09.2010	Ramagundam Pump House	71	29	16	20
Guest House 65 30 17		Guest House	65	30	17	18
20.09.2018 Balancing Reservoir 69 30 16	20.09.2018	Balancing Reservoir	69	30	16	20
Ramagundam Pump House 72 31 18	20.03.2018	Ramagundam Pump House	72	31	18	22
Guest House 64 27 16		Guest House	64	27	16	19
26.00.2018 Balancing Reservoir 63 29 19	26 00 2018	Relancing Reservoir	63	29	19	21
20.09.2010 Datativing reservoir 0.0 20 20 20 20 20 20 20 20 20 20 20 20 20	26.09.2018	Pamagundam Puma House	70	30	17	21
Guest House 66 30 16		Guest House	66	30	16	20
27.00.2018 Balancing Reservoir 65 28 16	27.00.2019	Balancing Reservoir	65	28	16	18
Pamagundam Pump House 68 31 18	27.09.2018	Ramagundam Pump House	68	31	18	20
		Cuest House	62	29	17	21

TABLE-2: 3rd PARTY STACK MONITORING DATA FOR APRIL - 2018 TO SEPTEMBER - 2018

DATE	SPM (mg/Nm ³)						
in the second second	Unit -1	Unit -2	Unit -3	Unit -4	Unit -5	Unit -6	Unit -:
APRIL'18	N.						<u> </u>
27.04.2018	90	88	89				
28.04.2018				85	86	100	81
MAY'18							
27.05.2018	93	89	91				
28.05.2018				87	88	103	84
JUNE'18							
26.06.2018				85	90	SHUT	87
27.06.2018	91	87	93			DOWN	
JULY'18							
27.07.2018	86	82	88				
28.07.2018		-		78	81	90	79
AUGUST'18							
21.08.2018	88	85	91				
22.08.2018				81	83	88	
SEPTEMBER'18			I.				
28.09.2018	90.1	87.8	94	97		_	
29.09.2018		+			99	90.7	91.1

TABLE-3: DUST MONITORING (PM- 10) DATA FOR APRIL ' 2018 TO SEPTEMBER '2018

DATE	LOCATION	Dust Concentration (PM 10) in μg/m ³	
APRIL'18	Mine Contraction Contraction		
05.04.2018	ESP Stage - I Area	91	
06.04.2018	DAETP Stage -I Area	95	termine a strength
07.04.2018	BURNER FLOOR Stage - II	92	alter a landat metaletika
09.04.2018	BRICK PLANT	70	
10.04.2018	ASH POND AREA	62	
11.04.20	MILL AREA STAGE - I	95	
MAY'18			
03.05.2018	ESP Stage - II Area	96	
04.05.2018	DAETP Stage -II Area	92	
05.05.2018	BURNER FLOOR Stage - I	90	
10.05.2018	BRICK PLANT	68	
11.05.2018	ASH POND AREA	60	
12.05.2018	MILL AREA STAGE - II	94	the second s
JUNE'18			
04.06.2018	ESP Stage - I Area	92	
05.06.2018	DAETP Stage -I	96	
06.06.2018	BURNER FLOOR Stage - II	90	
07.06.2018	BRICK PLANT	72	1
08.06.2018	ASH POND AREA	65	
11.06.2018	MILL AREA STAGE - I	96	
JULY'18			and an order of the second
02.07.2018	ESP Stage –II area	94	-
03.07.2018	DAETP Stage-II	97	
04.07.2018	BURNER FLOOR Stage-I	92	and the second second
09.07.2018	Bricks Plant	69	
10.07.2018	Ash Pond Area	63	
11.07.2018	Mill Area Stage- II	98	
AUGUST'18			1000
03.08.2018	ESP Stage –I area	93	
04.08.2018	DAETP Stage-I	88	
06.08.2018	BURNER FLOOR Stage-II	92	
07.08.2018	Bricks Plant	68	
08.08.2018	Ash Pond Area	75	
09.08.2018	Mill Area Stage-I	94	
SEPTEMBER'18			
04.09.2018	ESP Stage –II area	92	and the second second
05.09.2018	DAETP Stage-II	90	
06.09.2018	BURNER FLOOR Stage-I	94	
07.09.2018	Bricks Plant	66	
08.09.2018	Ash Pond Area	68	
10.09.2018	Mill Area Stage-II	96	interest of the second base

TABLE-4: OTHER PARAMETERS FROM APRIL ' 2018 TO SEPTEMBER '2018

	03	Pb	СО	NH3	AS	Ni	C6H6	B(a)P
1	ng/m3	(µg/m3)	ng/m3	(µg/m3	ng/m3	ng/m3	(µg/m3)	IIg/m3
APRIL'18								
Balancing Reservoir	14.8	<0.01	0.43	<20	<1	<1	<0.01	<0.01
Ramagundam Pump House	17.4	<0.01	0.49	<20	<1	<1	<0.01	<0.01
Guest House	15.1	<0.01	0.45	<20	<1	<1	< 0.01	<0.01
MAY'18		0						
Balancing Reservoir	15	<0.01	0.46	<20	<1	<1	< 0.01	<0.01
Ramagundam Pump House	17.9	<0.01	0.55	<20	<1	<1	< 0.01	<0.01
Guest House	15.3	<0.01	0.47	<20	<1	<1	<0.01	<0.01
JUNE'18								
Balancing Reservoir	14.4	<0.01	0.4	<20	<1	<1	< 0.01	<0.01
Ramagundam Pump House	17	<0.01	0.52	<20	<1	<1	< 0.01	:0.01
Guest House	15.9	<0.01	0.52	<20	<1	<1	< 0.01	:0.01
JULY'18								
Balancing Reservoir	13.6	<0.01	0.36	<20	<1	<1	< 0.01	:0.01
Ramagundam Pump House	16.1	<0.01	0.48	<20	<1	<1	< 0.01	:0.01
Guest House	14.4	<0.01	0.46	<20	<1	<1	< 0.01	-:0.01
AUGUST'18				l				-
Balancing Reservoir	15.9	<0.01	0.44	<20	<1	<1	< 0.01	.:0.01
Ramagundam Pump House	13.1	<0.01	0.39	<20	<1	<1	<0.01	
Guest House	14	<0.01	0.42	<20	<1	<1	<0.01	
SEPTEMBER'18				I				
Balancing Reservoir	14.4	<0.01	0.41	<20	<1	<1	< 0.01	.:0.01
Ramagundam Pump House	15.9	<0.001	0.4	<20	<1	<1	<0.01	.:0.01
Guest House	16	<0.01	0.45	<20	<1	<1	<0.01	.:0.01