



RATNAGIRI GAS & POWER PRIVATE LIMITED

Promoters: NTPC Ltd. & GAIL (India) Ltd.



EMS 712337

CORRIGENDUM

SUBJECT: CORRIGENDUM NO. 4
DATE: 23.06.2020
OPEN TENDER NO.: RGPPL/C&M/CS-2841/OT-122
NAME OF WORK: Design, supply, erection & commissioning of 500 KLD Capacity MBR Technology Based STP at RGPPL Township.

This is in reference to aforesaid Tender, following changes/additions/clarifications are incorporated in tender documents:

1. EXTENSION OF BID DUE DATE & TIME:

Last date and time for submission of bid: **03.07.2020 at 15:00 Hours (IST)**

Date and time of opening of Technical Bid: **03.07.2020 at 15:30 Hours (IST)**

2. CLARIFICATIONS:

Following clarifications are incorporated in tender documents :-

Sr. No.	Clause Reference	Description	Query	RGPPL Reply
1.	Page No. 17 of 120, Point -87, Defect liability period	36 months from date of commissioning.	As the scope of operation maintenance in this contract is only 12 months, we can provide the warranties against the treatment process only for 36 months. However, as another vendor can also do the O&M after 12 months, the equipment and membranes warranty cannot be given beyond 12 months as it totally depends on operation.	Defect liability period shall be as per terms and conditions of contract.
2.	Page No. 22 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 1.0 - Scope of work, Sub clause 1.1, under Table	Desired outlet quality parameters	Requesting you to kindly provide values for all parameters in raw sewage. This will help you on keeping all bidders on same platform.	No data of raw sewage available with us. If required for design the successful bidder need to take a sample and test it. At this point of time, we can inform that raw sewage is a typical domestic effluent.

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Site Office: At & Post: Anjanwel, Tal: Guhagar, Dist.: Ratnagiri -415 634, Maharashtra, India.

Corporate Identification Number: U40105DL2005 PTC 138458 Website Address: www.rgppl.com

Tel no: 02359 241134, email id: shweta.verma@site.rgppl.com; dipak.patil@site.rgppl.com

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3.	Page No. 23 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 1.0, Sub clause 1.3, Point 1.3.6	Design, procurement & installation of all control and instrumentation works like PLC etc	What level of automization is required. – Please confirm.	Already elaborated in clause 2.5 of Page 26 and Clause 6.0 of page 29-30; All Analog & Digital Controls and Monitoring are to be done through PLC with the help of HMI/SCADA along with suitable data logging software. Vendor should also provide suitable PLC Logic Editing, Communication, Animation Software along with lifetime licenses for the same.
4.	Page No. 23 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 1.0, Sub clause 1.3, Point 1.3.9	All works required for connecting the raw water sewage of existing 05 STPs with new MBR-STP.	Please confirm capacity each exiting STP and its peak flow.	The tentative sewer load on the pumping station at Krishnavihar may be around 120 KLD, the tentative sewer load on the pumping station at Narmada vihar may be around 50 KLD and the tentative sewer load on the pumping station at at Koyna Vihar may be around 120 KLD. However, the pumping stations shall be designed to withstand peak load and monsoon loads.
5.	Page No. 23 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 1.0, Sub clause 1.3, Point 1.3.9	All works required for connecting the raw water sewage of existing 05 STPs with new MBR-STP.	Please confirm civil unit details (like sizes, location – underground/Above ground) where pumps needs to be installed.	It is in the design scope of LSTK contractor
6.	Page No. 23 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 1.0, Sub clause 1.3, Point 1.3.9	All works required for connecting the raw water sewage of existing 05 STPs with new MBR-STP.	Please confirm distance between each exiting STP location and proposed STP location.	Given in sketch at Page-61
7.	Page No. 23 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 1.0, Sub clause 1.3, Point 1.3.9	All works required for connecting the raw water sewage of existing 05 STPs with new MBR-STP.	Please confirm elevational details at each existing STP location and proposed STP location.	From the data available through Google earth , the topographic levels of STPs are Koyna Vihar STP-110m, KrishnaVihar STP-112 m, Godavari Vihar STP 1 & 2- 113 m & Narmada Vihar STP-114m

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8.	Page No. 23 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 1.0, Sub clause 1.3, Point 1.3.9	All works required for connecting the raw water sewage of existing 05 STPs with new MBR-STP.	Please confirm number of road crossing during laying of pipe from each existing STP location to proposed STP location.	One road crossing is expected (tentative)
9.	Page No. 23 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 1.0, Sub clause 1.3, Point 1.3.9	All works required for connecting the raw water sewage of existing 05 STPs with new MBR-STP.	If road crossings are required, then please confirm whether we have to do overhead crossing or we can cross the road by laying pipe underground. If overhead please confirm height requirement and if in the case of underground please confirm the depth.	Underground crossing is sufficient. Depth depends upon the level of protection as per design.
10.	Page No. 23 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 1.0, Sub clause 1.3, Point 1.3.9, Sub point 1.3.9.3	The agency's scope ends with treated water pumping system (output line) of new STP shall be connected to the existing disposal line towards highpoint basin. The presently running treated water disposal pumps (available at site) shall be installed at the new STP by the executing agency.	Please confirm pump capacity and its head. Also confirm the existing pump discharge line size.	Pump Motor rating : 3 phase, 15 KW, 20 HP, 2900 RPM, Head range : 18 to 48 metres, Capacity : 33.8 to 19.4 LPS , Existing discharge line :6" HDPE line
11.	Page No. 23 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 1.0, Sub clause 1.3, Point 1.3.9, Sub point 1.3.9.3	The agency's scope ends with treated water pumping system (output line) of new STP shall be connected to the existing disposal line towards highpoint basin. The presently running treated water disposal pumps (available at site) shall be installed at the new STP by the executing agency.	Please confirm the distance between proposed STP area and to the existing disposal line towards highpoint basin	Approximately 100 metres

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12.	Page No. 23 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 1.0, Sub clause 1.3, Point 1.3.10	The STP shall be designed to manage additional sewage load during monsoons. The sewage collection tank has to have a minimum storage size of 50% of daily sewage generation/sewage treatment.	Mixing of rain water in the sewage is not recommended. We recommend NTPC to rectify the problem of rain water mixing in the sewage, - as it will deteriorate the plant performance due to mixing of sand, soil, and also due to dilution of sewage which may results into unavailability of food to microorganisms. - Also, due to siltation may require cleaning of tanks and recommissioning of the plant. - High chances of getting membranes damaged due to soil and sand Please confirm	As our site location receives good monsoon pour, rain water load in sewer is inevitable. Necessary precautions and provisions has to be carried out by the LSTK contractor
13.	Page No. 24 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 2.0 - Brief Technical specifications, Sub clause, 2.1 - TREATMENT SCHEME, Point 1.3.10	Stage 3: Tertiary treatment Activated Carbon Filters, Chlorine Dosing System, UV treatment	MBR treated water itself a high-end quality treated water, hence there is no requirement of provision of activated carbon filter. – Please confirm	Technical specifications and requirements of the tender need to be followed
14.	Page No. 24 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 2.0 - Brief Technical specifications, Sub clause, 2.1 - TREATMENT SCHEME, Point 1.3.10	Stage 3: Tertiary treatment Activated Carbon Filters, Chlorine Dosing System, UV treatment	Only one of the treatments of UV or Chlorine disinfection is required as both do the same job to achieve the required outlet parameters. Having both the systems is redundant and not necessary. Kindly confirm.	Technical specifications and requirements of the tender need to be followed
15.	Page No. 24 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 2.0 - Brief Technical specifications, Sub clause, 2.2 - TREATMENT UNITS	Micron filter	MBR treated water itself a high-end quality treated water, hence there is no requirement of provision of micron filter. – Please confirm 	Technical specifications and requirements of the tender need to be followed

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16.	Page No. 25 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 2.0 - Brief Technical specifications, Sub clause, 2.3 - BRIEF PROCESS DESCRIPTION, 2.3.2- Screening & Page No. 27 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 3.0 - SCOPE OF SUPPLY OF EQUIPMENTS	The Sewage is led into a Bar Screen Chamber provided with MS Bar Screen. & Bar Screens: No. of Units: 2 Nos, Type: Manual, MOC: SS-304	Whether we have to consider MOC of bar screen as MS or SS304 – Please confirm	May please consider SS-304 as per page no - 27
17.	Page No. 27 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause No. 2.3.2 Screening & Page No. 27 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause No. 3. SCOPE OF SUPPLY OF EQUIPMENTS	The primary screen has to have size of 10 - 15 mm and secondary screen has to have size of 4- 5 mm. & Bar Screens: No. of Units: 2 Nos, Type : Manual Fine Mechanical Screen: No. of Units : 1 No, MOC : SS-304	There is discrepancy in the number of screen. Kindly confirm whether 3 no. or 2 no. of screens is required.	It is 02 barscreens and 01 fine mechanical screen. Totally 03 screens specified
18.	Page No. 25 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 2.0 - Brief Technical specifications, Sub clause, 2.3 - BRIEF PROCESS DESCRIPTION, 2.3.4- Raw Sewage Sump (Collecting Tank)/ Equalization tank & Page No. 27 of 120,	The raw sewage is pumped using submersible non-clog SS pumps of suitable capacity. & Raw Sewage Transfer Pumps : No. of Units: 2 Nos (1 W + 1S). Head Type: Submersible Pump, MOC : CI	Whether we have to consider MOC of pump as CI or SS – Please confirm	MOC shall be SS

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	Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 3.0 - SCOPE OF SUPPLY OF EQUIPMENTS			
19.	Page No. 27 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause 3.0 - SCOPE OF SUPPLY OF EQUIPMENTS	Membrane Permeate Pump: No. of Units: 2 Nos (1 W + 1S). Head Type: Horizontal Pump MOC: CI Casing, CI impeller, CS Shaft	Refer to process flow diagram as same pump shall be used for cleaning of MBR membranes, pump shall be exposed to chemicals. Hence MOC of impeller should be SS instead of CI	MOC shall be SS
20.	Page No. 50 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause No. R Noise & vibration	Noise level produced by any rotating equipment individually or collectively shall not exceed 65 dB (A) measured at a distance of 1.5 meters from the source in any direction.	85 dB noise level is achievable with acoustic hood enclosure for rotating equipment. 65 dB noise level is not achievable at 1.5 m distance from source. Trying to achieve 65 dB noise level will tremendously increase price of the project or either the rotating equipment have to be compulsory put in closed room.	The noise level shall be in the range of 65-85 db(measured at a distance of 1.5m), however subject to compliance of CPCB norms
21	Page No. 50 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause No. S MOC, & Page No. 61 of 120, Annexure A Location, tentative layout plan & tentative flow diagram	All works required for connecting the raw water sewage of existing 05 STPs with new MBR-STP. Please refer the schematic sketch indicating the requirement and scope. & Four No. of Old STP mentioned Koyna vihar Old STP Krishna Vihar Old STP Narmada Vihar Old STP Godavari Vihar Old STP	Kindly confirm numbers of Old STP which is required to connect to new STP as there is discrepancy in tender document.	Totally there are 05 STPs i.e Koyna Vihar-01, Narmda Vihar-01, Krishna Vihar-01 & Godavari Vihar-02. Both the Godavari Vihar STPs are adjacent only.

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22.	Page No. 27 of 120, Section III - Scope of Work, Technical specifications and special terms & conditions, Clause No. 3. SCOPE OF SUPPLY OF EQUIPMENTS & Page No. 63 of 120, Tentative Flow Diagram	Air Blower for Transferring Air to EQT, Aeration Tank and SHT: No. of Units : 2 Nos (1 W + 1S). & 3 Nos. of air Blower shown in tentative Flow Diagram	It is mentioned 2 nos. of air blower to be provided in scope of supply and 3 nos. of air blower are shown in Tentative flow diagram. Kindly confirm no. of air blower to be provided.	No of blowers shall be such that system will have 100% of design capacity working and 100% standby.
23.	Page No. 55 of 120, Clause 11.8.7 - Special Terms & Conditions(STC), Sub Clause – Payment Terms	MILESTONE PAYMENT shall be released as follows based on the progress of the works, against invoice, on recommendation by the Engineer in-Charge. No advance or mobilization payment will be made. 5% after approval of detailed design and drawings 5% after completion of site-leveling, excavation, PCC and RCC base slab of tanks and civil structures. 10% after completion of all RCC collection tanks, treatment tanks, cover slabs & plant room civil structures. 5% after completion of waterproofing of all water retaining structures, pump foundations, walkways and access platforms. 5% after completion of finishing works like plastering, painting, flooring etc. 5% after completion of fencing and paving of area around.	With this payment terms there will be difficult to maintain the cashflow during project execution stage and this may lead in to the delay in project execution. Hence requesting you to kindly consider below payment terms at least. 5% after approval of detailed design and drawings 5% after completion of site-leveling, excavation, PCC and RCC base slab of tanks and civil structures. 10% after completion of all RCC collection tanks, treatment tanks, cover slabs & plant room civil structures. 5% after completion of waterproofing of all water retaining structures, pump foundations, walkways and access platforms. 5% after completion of finishing works like plastering, painting, flooring etc. 5% after completion of fencing and paving of area around. 50 % after supply of all electro-mechanical and instrumentation equipment and piping materials as per scope. 10 % after installation, erection and commissioning of the plant	Bidders are expected to quote as per the approved terms and conditions of the tender

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		25 % after supply of all electro-mechanical and instrumentation equipment and piping materials as per scope. 35 % after installation, erection and commissioning of the plant 5 % after 12 months of successful operation of the plant	5 % after 12 months of successful operation of the plant	
24.	Page No. 62 of 120	Layout Drawing	Please confirm the location of the STP is underground or above ground.	Above ground structures preferable and would be suitable.
25.	Page No. 62 of 120	Layout Drawing	Please confirm clear height constraint if any at proposed STP area.	There are no height constraints
26.	Page No. 62 of 120	Layout Drawing	Shown area is less for the required capacity of the plant. Also looking in to the operation area requirement plant room shown is so small and it will be difficult for movements for maintenance activity due to congested layout. Please confirm the availability of more area at proposed STP location.	Area is sufficiently available. The LSTK bidder have to design as per standards and fulfilling all operations requirements
27.	Section-3 General Terms & Condition, Page no. 59, clause- xvii	Accommodation: RGPPL will not provide the accommodation and it will be in the contractor's scope. However, RGPPL may consider providing accommodation to the workers/supervisor subject to availability on payment basis, otherwise it is the contractor's scope to provide accommodation.	We assume that land for workers accommodation will be free supply to the contractor 	RGPPL will not provide the accommodation and it will be in the contractor's scope. However, RGPPL may consider providing accommodation to the workers/supervisor subject to availability on payment basis, otherwise it is the contractor's scope to provide accommodation.

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28.	Section-3 Technical Specification (Civil), 9. Detailed Technical Specifications: (Civil), Page no. 33	E. DESIGN CODES AND STANDARDS. Code of Practice for Design and Construction of Pile Foundations, IS 2911 (Part 1 /Sec 2) Load Test on Piles, IS 2911 (Part 1V)	Based on the soil test report shown in bid, can we go for the foundations without piles?	Soil report of a similar topography nearby shared only for reference. However, this does not relieve the LSTK agency from studying site specific conditions for design of foundations.
29.	Section-3 Technical Specification (Civil), 9. Detailed Technical Specifications: (Civil), Page no. 33	E. DESIGN CODES AND STANDARDS Specification for Portland pozzolana Cement, IS 1489 Part 1 Specification for Sulphate Resistant Portland Cement, IS 12330	Ordinary Portland Cement 53 grade as per IS 12269 can be used or not?	Yes. Can be used. This can be finalised during Mix design stage.
30.	Section-3 Technical Specification (Civil), 9. Detailed Technical Specifications: (Civil), Page no. 35	L. FOUNDATIONS Machine/ Equipment foundations Depending on the type of machine/equipment, suitable foundation shall be designed as per IS 2974. All the machine/equipment foundations shall preferably be separated out from the building structure,	Based on the soil test report shown in bid, can we go for the foundations without piles?	Soil report of a similar topography nearby shared only for reference. However, this does not relieve the LSTK agency from studying site specific conditions for design of foundations.
31.	Section-3 Technical Specification (Civil), 9. Detailed Technical Specifications: (Civil), Page no. 42	HH. Grouting of foundation bolts below base plates for structural columns shall be provided using SHRINKKOMP-10 or equivalent.	Can we use SIKAGROUT 214?	Tender specifications of tender may be followed
32	Section-3 Technical Specification, 5. Electrical Works, Page no. 29	5.7 Cables shall be PVC insulated, armored FRLSH. Cables of size below 16 sq. mm shall be of Copper. Minimum size of power cable shall be 4 sq. mm. Cables of size 16 sq. mm and above shall be Aluminum. Minimum size of control cable shall be 2.5 sq. mm.	Please confirm that we can use 2.5 sq.mm cable as minimum size for Power cable & 1.5 sq.mm for Control cable.	Tender specifications of tender may be followed

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33.	Section-3 Technical Specification, 6.Instrumentation Works, Page no. 29	All the field instruments shall be terminated at field junction boxes (FJB) (power/signal) through branch cables; and from the FJB to the control panel multi pair cables shall be used for interconnection.	We understand that we can choose FJB, Multicore cable & Branch cable as per standard at our end. Please confirm.	All Cables should be GI Armoured
34.	Section-3 Technical Specification, 6.Instrumentation Works, Page no. 30	Any other equipment required for smooth operation of the plant (but not specifically mentioned anywhere in tender documents)	Please confirm the other requirements.	Being an LSTK contract, the overall efficiency and operational requirements of the plant lies with the contractor.
35.	Section-3 Technical Specification, 6.Instrumentation Works, Page no. 31	The control center shall be enclosed type, dust proof and shall be provided with 5 star rated split A/c type 2Nos with timer control for redundancy to ensure performance of instruments. The UPS shall be standalone 110 V AC, 5KVA of RGPPL approved make only.	Please give the clarity for 2 nos of A/c. Can we give 1 nos A/c. Kindly confirm it.	The number & capacity of Air Conditioners shall be as per design to suit the control center room.
36.	Section-3 Technical Specification, 11. Detailed Specifications (Electrical), Page no. 51	11.4.2 MCC's shall be rated for minimum 25 MVA symmetrical fault level with switch fuse/ MCCB incomers.	Kindly Confirm the what we can use for 2 nos. Incomers & 1 nos. Bus coupler. SFU or MCCB.	2 nos. Incomers & 1 nos. Bus coupler scheme with MCCB or ACB are acceptable to us
37.	Section-3 Technical Specification, 11. Detailed Specifications (Electrical), Page no. 52	11.4.6 Bus bars shall be provided with insulating sleeves and bus bar joints shall be shrouded.	Kindly confirm the Aluminium or Copper Busbar for the MCC Panel.	Complete Panel design is in vendors scope. Vendor may provide suitable type of bus bar
38.	Section-3 Technical Specification, 11. Detailed Specifications (Electrical), Page no. 52	11.4.10 Ammeters shall be provided for outgoing feeders,	Kindly confirm the rating of outgoing feeders for Ammeter.	Outgoing feeder details shall be as per the loads provided ,Ammeter shall be provided accordingly

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39.	Section-3 Technical Specification, 11. Detailed Specifications (Electrical), Page no. 52	11.4.20 Power wiring shall be carried out with PVC insulated, stranded copper / aluminium conductors of 650 Volts grade having adequate current carrying capacity. Minimum size of conductor for power wiring shall be 4 Sq.mm copper. Control wiring shall be carried out with 650 V grade, PVC insulated, copper conductor of size not less than 2.5 Sq.mm.	Please confirm that we can use 1.5 & 2.5 sq.mm cable as control & power.	Minimum size of conductor for power wiring shall be 4 Sq.mm copper. Control wiring shall be carried out with 650 V grade, PVC insulated, copper conductor of size not less than 2.5 Sq.mm. Conductor sizing should not be less than our specification
40.	Section-3 Technical Specification, 11.6 Cables & Cabling System, Page no. 53	11.6.2 All control cables shall be PVC insulated, armoured and PVC sheathed with Copper conductor. The control cable shall be laid segregated from the power cables.	Kindly provide the segregation gap between control & power cable.	All cable laying shall be done as per IS Standard
41.	Section-3 Technical Specification, 11.8 ERECTION, TESTING AND COMMISSIONING), Page no. 54	11.8.1 Supply of all erection materials required for the erection of electrical equipment supplied by vendor shall be the responsibility of the vendor. These items shall include all accessories for cable-jointing, cable terminations/ cable tray/ racks, supporting steel structures, pipes, clamps, bricks, sand, cement, rubble, compression type cable glands, insulating materials etc. Necessary grouting, fixing etc. also shall be arranged by the vendor.	Kindly confirm the Scope of Incomer Cables & its length from the source. 	Providing supply at switchgear incomer is in RGPPL scope

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42.	General	-	Kindly confirm FGL at Proposed STP location	FGL may be approximately 150mm above natural Ground Level. However this needs to be decided during design as per site conditions. Bidder may also like to visit site for further information.
43.	General	-	Kindly confirm NGL at Proposed STP location	Natural ground level is approximately (+)120 w.r.t MSL
44.	General	-	Kindly confirm HFL at Proposed STP location	To the best of our knowledge the said site location is not affected by floods
45.	Sec. No. 1.3, Page No. 2, Clause No. 1.3.9.1	Connection of existing sewage pumping station	We will like to know capacity of each pumping station so that we can decide the pumping arrangement and its piping.	The tentative peak sewer load at the pumping stations are Krishnavihar - around 20 m ³ /Hr, Narmada vihar - around 9 m ³ /Hr, Koyna Vihar - around 20 m ³ /hr and Godavari Vihar(both STPs combined) - around 60m ³ /Hr
46.	Sec. No. 1.3, Page No. 23, Clause No. 1.3.9.2	Existing pipe line to be used.	Length/ diameter/ MOC of existing pipelines will be required.	From Krishnavihar STP to Godavari Vihar STP the presently available line is 6" HDPE line(reduced to 4") and from Narmada Vihar STP to Godavari Vihar STP the presently available line is 3" GI Pipe. Length of the pipes is given in the sketch attached with the tender. However, it may be noted that incase its found during the design phase that the capacity of the existing pipelines are not adequate to carry the sewer load, it would be the responsibility of the LSTK contractor to provide a suitable pipeline(as per specifications) and commission the system, within the quoted cost. Bidders are also expected to scrutinize the actual site conditions and requirements before submission of bids.
47.	Sec. No. 1.3, Page No. 23, Clause No. 1.3.9.3	Treated water disposal pumps	We will install the pumps but if you wish us to execute the electrical work then details of the pumps would be required.	Pump Motor rating : 3 phase, 15 KW, 20 HP, 2900 RPM, Head range : 18 to 48 metres, Capacity : 33.8 to 19.4 LPS

(Sign of the Bidder's Authorized Representative)

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48.	Sec. No. 10, Page No. 40, Clause No. D	All Piping shall be CPVC – Schedule 40	The air line from blower which MOC of piping to use? Kindly confirm	It shall be CPVC Schedule 40
49.	Sec. No. Annexure A, Page No. 61	Layout and Section Diagram	Whether the sewage will be pumped from Koyna Vihar to Krishna Vihar sump? Or separate line will from Koyna Vihar to STP? Kindly clarify.	The sewage of Koyna Vihar need not be let into the sump of Krishnavihar. It can be connected to the existing line from Krishnavihar to Godavari Vihar provided the design capacity of the existing pipeline permits. However, it may be noted that in case it's found during the design phase that the capacity of the existing pipelines is not adequate to carry the sewer load, it would be the responsibility of the LSTK contractor to provide a suitable pipeline (as per specifications) and commission the system, within the quoted cost.
50.	Sec. No. 10, Page No. 44, Clause No. G	Detailed specification – Mechanical	All pumps shall be 1400 rpm. – The submersible pumps are not coupled thus the rpm is governed by the manufacturer which is beyond our control. Where ever possible we will use 1400 rpm motor more specifically for sludge recirculation.	The speed of pump shall not exceed 1500 RPM as mentioned in tender document

All other Terms & Conditions of the tender documents will remain unchanged.

This Corrigendum No. 4 shall form an integral part of this tender. A copy of the same is to be submitted along with the bid.

For & behalf of RGPPL

**Shweta Verma
Manager (C&M)**

(Sign of the Bidder's Authorized Representative)

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Regd Office: NTPC Bhawan, Core-7, SCOPE Complex, 7, Institutional Area, Lodhi Road, New Delhi – 110003

Site Office: At & Post: Anjanwel, Tal: Guhagar, Dist.: Ratnagiri -415 634, Maharashtra, India.

Corporate Identification Number: U40105DL2005 PTC 138458 Website Address: www.rgppl.com

Tel no: 02359 241012, email id: geetha.b@site.rgppl.com

