

Clarification No. 01 Dated 20.07.2020 to Bidders Queries
NIB No. 365 Dated 11.07.2020.

Name of Work: Limited Tender for undertaking Industrial All Risk (IAR) Insurance Policy for the Assets of Agartala Gas Turbine Combined Cycle Power Plant (135 MW), Ramchandra Nagar, Tripura (West) for a period of 1(one) year w.e.f. 00:00:00 Hours of 09.08.2020.

Sl. No.	Bidders Queries	NEEPCO's Response
1	Last 3 years claim details.	Claim during the last 5(five) years is Nil.
2	Last 3 years premium detail and existing policy copy.	The information on premium payouts and policy documents pertaining to instant tender are considered to be confidential. In the circumstance, we are constrained to disclose this information.
3	Latest inspection report.	The Risk Management Report of AGTCCPP is attached at Annexure-A .
4	Any material change in the risk comparison to last year.	The current insurance policy of AGTCCPP, which is expiring on 08.08.2020, is Standard Fire & Special Perils Policy with add-ons. The same is being renewed by undertaking Industrial All Risk (IAR) Insurance Policy with Business Interruption (BI) Loss.
5	To provide latest risk analysis report for better understanding the risk for rating purpose.	Same as at Sl.No. 3 above.
6	We can accept only the Clause 4.1.1 for this particular bid for Deductible clause, this being an IAR proposal. Thus, for the other Clauses (4.1.2, 4.1.3, 4.1.4, 4.1.5, 4.1.6) the acceptable minimum deductible amount will be INR. 1.25 Cr, since differential deductible is not feasible.	Bid stipulation shall stand.
7	Clause 3.1 (i) Sl No. 20: Prevention of excess Clause (Section-IV, Scope of Insurance Coverage) - Actual (within Treaty Limitations) - Kindly specified the sub-limit.	Bid stipulation shall stand.
8	Against Clause 3.1 (ii) g): Waiver of subrogation Clause, (Section-IV, Scope of Insurance Coverage) - Coverage can be given only for named insured.	Bid stipulation shall stand.
9	T&D Line coverage upto Loss Limit of Rs 100 Cr (PD+BI) beyond the plant premises & upto host Sub Station.	Noted. In this regard Bid conditions shall prevail.
10	No BI coverage for T&D line/Pipeline etc. in Contingent Business Interruption Extension outside the Premises of Utilities/Suppliers/Customers.	Noted. In this regard Bid conditions shall prevail.
11	The policy will be subject to Exclusion of Communicable diseases.	Noted.

[Signature]
20/07/2020

[Signature]
20/07/2020

Status Report on Risk Management at AGTCCPP for Quarter Ending June 2020

Sr No	Description	Risk Exposure	Mitigation Plan	Target Mitigation date	Status as on Qtr. Ending June 2020
1	Automation of Fire Fighting System of Generator Transformer and Cable Galleries. Risk of damage of Generator Transformer in case of fire.	High	Procurement of some spare items, viz., 79 degree sprinkler, nozzle, NRV, Gland packing, etc. for full functioning of Automatic Sprinkling System	31.09.2020	At present Automatic sprinkling system in Generator Transformer and Station Transformers are not working due to want of some spares viz., sprinkler, nozzle, NRV, etc. proposal already initiated for procurement of the same through limited tender. Limited Tender Finalization may require one month and considering 2 months delivery period, restoration of auto system is expected by August 2020.
2	Construction of Chlorine Neutralization Tank. Risk associated: Chlorine gas is injurious to health and even may cause death of human and animal in case of leakage in air.	High	Construction of new Neutralization Tank in front of the ramp of chlorination Plant building for easy rolling of the Chlorine Cylinder. To provide Motorized Chain Pulley for lifting and horizontal travel of leaked cylinder.	-	Construction of Neutralization Tank for immersion of leaked Chlorine Cylinder completed. Motorized chain-pulley for lifting the cylinder installed. The Neutralization tank is ready with caustic soda solution.
3	Major operation of GT#1 and 2 and HGPI of GT#3. Risk of high generation loss as well as revenue loss in case of outage due to delayed MI.	High	Spares for MI of GT#2 and HGPI of GT#3 already received. Execution of HGPI of GT#3 already started with effect from 2.07.2020 and will be completed by 20-21 July 2020. Execution of MI of GT # 2 will be started tentatively with effect from 22-23 Jul 2020. Proposal for procurement of spares for MI of GT#1 is under process.	Target for MI of GT#2: August '2020, Target for MI of GT#1: April-May 2021, HGPI of Unit#3: July 2020	Spares for MI of GT#2 and HGPI of GT#3 already received. Execution of HGPI of GT#3 already started with effect from 2.07.2020 and will be completed by 20-21 July 2020. Execution of MI of GT # 2 will be started tentatively with effect from 22-23 Jul 2020. Proposal for procurement of spares for MI of GT#1 is under process.
4	Fan#3 of ACT out of order since 6.11.2018. Risk of high generation loss as well as revenue loss in case of outage of other running fans.	High	Place an order for inspection of the ACT. Pulley for fan-motor ordered. It is planned to restore the Fan unit by Mid-February 2019.	Mitigated	All fans are available
5	Shortage of Raw Water for operation of STG. Project Risk	Low	Ground water table survey for assessment of availability of water and artificial augmentation of ground water if necessary as per survey.	Continuous	1) Monitoring of ground water level in and around 135 MW AGTCCPP is being done from time to time.
6	Automation of Fire Fighting System of generating units. Gas Turbinnes of AGTP runs at 5100 RPM and at 1200 degree C of temperature and exposed to high risk of fire.	High	Each Gas Turbine unit is fitted with automatic CO2 system, which can detect smoke and releases CO2 in case of actual fire. In addition to it, AGTCCPP has fire tender with experience fire fighting crew.		Automatic CO2 of each gas turbine are in place. Fire Tender of Tripura State Fire Service is also available at Power Station.
7	Automation of Fire Fighting System of Steam Turbine generating units. Gas Turbinnes of AGTP runs at 6000 RPM and at 478 deg C of Steam temperature and exposed to high risk of fire.	High	Each Steam Turbine Units are equipped with automatic CO2 system for smoke detection as well as for release of CO2 in case of actual fire. Moreover, AGTCCPP has Fire Tender with experienced Fire Fighting crew of Tripura State Fire Service.		Automatic CO2 of each gas turbine are in place. Fire Tender of Tripura State Fire Service is also available at Power Station.
8	Auto Operation not available in MSSV for HRSG#1. The valve cannot be remotely operated from Control Desk due to damage of connected Actuator. Can be operated locally, but there is risk of injury due to superheated steam passing.	Medium	The risk can be mitigated by replacing the damaged actuator. Planned to replace the damaged Actuator with new one.	Closed. Risk Mitigated	New Actuator fitted and taken into operation with effect from 10.06.2020
9	Risk of Fire at Boilers. There are 4 (four) numbers of Boilers at AGTCCPP. The Boilers operate at high pressure (Design Pressure 66 kg/cm2) and Temperatur (478 deg C). Therefore there are chances of fire at Boilers.	High	Each Boilers are equipped with Fire Hydrant System which remains pressurised at 7-8 kg/cm2. The Hydrant point can be rotated at desired direction. Moreover, we have permanently hired Fire Tender from Tripura State Fire Services, which is stationed at Plant with experienced Fireman.	-	All mitigation plan are in place.
10	Critical Spares	Low	1. Standard list of spares to be taken from NHPC and NTPC. 2. Availability of spares (Mail & Critical) with NEEPCO is to be investigated. 3. Both qualitative and quantitative assessment of the spares available with NEEPCO are to be made.	Six Monthly	1. Normally required spares are maintained in the project store. 2. Generation was not hampered due to shortage of spares. 3. Availability of all the required spares are ensured prior to Annual Maintenance
11	Threat to structural safety of Plant Buildings, Office Buildings and Residential Buildings - People risk / Project Risk	Low	1) Routine Repair & maintenance of different structures. 2) Periodic Structural inspection by third party at an interval of 05(five) years.	Continuous	1)Regular departmental inspection of building to identify defect and subsequent action are being taken to rectify the same. 2) Proposal for 3rd party inspection is taken up with D&E wing by the HOP.

Sr No	Description	Risk Exposure	Mitigation Plan	Target Mitigation date	Status as on Qtr. Ending June 2020
12	Shortage of Raw Water for operation of STG. Project Risk	Low	1) Ground water table survey for assessment of availability of water. 2) artificial augmentation of ground water if necessary as per survey.	Continuous	Monitoring of ground water regime in and around 135 MW AGTCCPP is being done from time to time.
13	Non-use of PPEs- people risk/accident risk.	Low	1) Stringent compliances in contracts regarding use of PPEs by the workers.	Continuous	Safety officer engaged for regular monitoring of use of PPEs by the workers.
14	Lack of Green Belt Maintenance- Environmental Compliance Risk.	Low	Regular maintenance of Green Belt, planting of trees.	Continuous	Regular maintenance of Green Belt, planting of trees are being done.