

Clarification No. 01 Dated 05.07.2022 to Bidders Queries

NIB No. 424 Dated 23.06.2022.

Name of Work: Tender for renewal of Industrial All Risk (IAR) Insurance Policy for the Assets of Agartala Gas Based Power Station (135 MW), AgGBPS, Ramchandra Nagar, Tripura (West), for a period of 1(one) year w.e.f. 00:00:00 Hours of 09.08.2022.

Sl. No.	Bidders Queries	NEEPCO's Response
1	Expiring Insurer	The current insurer of the plant is M/s Reliance General Insurance Co. Ltd.
2	Latest Risk Inspection report.	The latest Risk Management Report of Agartala Gas Based Power Station (135 MW), Ramchandra Nagar, Tripura (West), is attached at Annexure-I for reference.


05/07/2022

Annexure-I

Quarterly Status Report (QSR) of Risk Management in NEEPCO For the Quarter Ending March-2022 Location: Agartala Gas Based Power Station, AgGBPS, Ramchandra Nagar, Tripura (West)							
Sl. No.	Risk Description	Risk Exposure	Mitigation Plan	Target Mitigation Date		Present Status(31.3.22)	Remarks
				As per RRC meeting of 12.11.2020	Current Target Date		
AGARTALA GAS BASED POWER STATION (AgGBPS), TRIPURA							
1	Data Security	High	Periodical data backup		Continuous		
2	Delay in finalization of tender	Medium	Proper tracking of actions at every stage of the tender and to trace out the impediments and time leakage, if any		Continuous		
3	Creation of Purchase orders through SAP	High	Training in preparation of various types of PO through SAP is being undertaken through other wing or through Any desk.		continuous		
4	Participation of blacklisted bidders, as tracking to those sometimes become difficult	Medium	1. While opening the bids care is to be taken by checking list of these stated bidders. 2. By intimating/uploading in CPP portal 3. Special clause can also be included - stating debarred bidders cannot participate		Continuous	Constant vigil is being kept at every case.	
5	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		31.07.2022	Materials for Automation of Fire Fighting System of Generator Transformer and Cable Galleries received at site. Out of the 12 transformers, works in 6 have been done. For the balance it is planned to carry out during the possible shutdown of the plant for gas pipeline maintenance proposed by M/s GAIL shortly	
6	Automation of Fire Fighting System of Generating units. Gas	High	Each Gas Turbine Unit is equipped with automatic CO2 system and smoke detection for release of CO2 in case of fire.		31-07-2022	Automatic CO2 of each gas turbine is in place. Fire Tender of Tripura State Fire Service is also	

	Turbines run at 5100rpm and at 1200 degree Centigrade of temperature and exposed to high risk of fire.		Moreover, Fire Tender with experienced Fire Fighting crew of Tripura State Fire Service are engaged at site			available at Power Station.	
7	Automation of Fire Fighting Systems of Steam Turbine generating units. Steam Turbines run at 6000 RPM and at 478 deg C of Steam temperature and exposed to high risk of fire.	High	Each Steam Turbine Unit is equipped with automatic CO2 system and smoke detection for release of CO2 in case of fire. Moreover, Fire Tender with experienced Fire Fighting crew of Tripura State Fire Service are engaged at site		31-07-2022	Automatic CO2 of each gas turbine is in place. Fire Tender of Tripura State Fire Service is also available at Power Station.	
8	No Fire Detection and protection system at 20 kWp Rooftop Solar Power Plant Control Room	Medium	Fitting two number of Automatic Fire Extinguishing system		31-07-2022	Manufacturer/supplier of Automatic Fire Extinguishing System identified and offer shall be obtained	
9	No Fire Detection and protection system at Main Store Building	Medium	Fitting two number of Automatic Fire Extinguishersystem.		31-07-2022	Manufacturer/supplier of Automatic Fire Extinguishing System identified and offer shall be obtained.	
10	6.6 KV Line maintenance	High	01. Wearing hand gloves, safety belt, safety shoe, safety Helmet. 02. Use of proper instrument		Continuous	No accident	
11	Plant and colony daily electrical maintenance	High	01. Wearing hand gloves, safety belt, safety shoe, safety Helmet. 02. Use of proper instrument		Continuous	No accident	
12	Pilferage of store materials	High	CCTV installation in all Store buildings		31-05-2022	Concerned deptt (IT Cell) is processing.	
13	Unable to track the materials in store	Medium	In SAP there is no provisions for location tag. In want of this, everything needs to be memorized. So tracking of the materials needs longer time than usual. Provisioning		15-06-2022	Concerned deptt (IT Cell) is processing in consultation with CHQ.	

			of location tag in SAP will make the tracking of store materials easier.				
14	Bush Fires	Medium	Incidence of bush fires are not uncommon in the Plant. So, periphery of store buildings needs to be cleaned periodically to avoid such incidences.		continuous	Civil Deptt has been intimated to take initiative & process	
15	Delay in disbursement of payment to the Contractor	Medium	Timely creation of SAP Coding by the Indenting Deptt, Placing of PO through SAP& Time extension Order in time.		continuous	All the Departments have been intimated	
16	Frequent Flush over in Gas Turbine Generator (GTG) Bus Duct. Risk of fire, Generation Loss	High	This Plant is 20 years old. The GTG Bus Ducts are moulded case integrated phase bus duct. Due to ageing some hairline cracks have developed on the moulding of Bus duct . During rainy season, water ingresses to the moulded case through cracks and cause phase to phase/earth fault with flush over. The risk can be eliminated by replacing the whole bus duct with new moulded case or converting the bus duct into Isolated Phase Bus Duct.		31-07-2022	Offer obtained from counter part of M/S Eta Com , Belgium. from India .Due to Pandemic situation this takes time .Under process for approval.	
17	In 132 KV Switchyard, there is risk of (i) Electrical shock including loss of life and damage to property, (ii) Flashing and fire hazard like rupture of LA, fire in transformer, snapping of conductor, leakage of transformer oil etc.	High	To take all safety measures as per standard guidelines, including conduct of routine inspections and tests to eliminate any possibility of accident		Continuous	All standard norms are being followed and no report of any incident or accident. Continuous monitoring, inspection, maintenance and upgradation of equipments are in place to mitigate the risk factor.	
18	Risk of fire in various control and protection panels in GTG and STG control rooms and electrical faults like	Medium	To take all safety measures as per standard guidelines, including conduct of routine inspections and tests to eliminate any possibility of accident.		Continuous	All standard norms are being followed and no report of any incident or accident. Continuous monitoring, inspection, maintenance and upgradation of	

	flashing of CBs, burning of motors etc.					equipment are in place to mitigate the risk factor.	
19	Risk of electrical shock, short circuit and fire hazard in all SSB / PMCC / EMC / 6.6 Kv rooms of GTG and STG buildings	Medium	To take all safety measures as per standard guidelines, including conduct of routine inspections and tests to eliminate any possibility of accident.		Continuous	All standard norms are being followed and no report of any incident or accident. Continuous monitoring, inspection, maintenance and upgradation of equipment are in place to mitigate the risk factor.	
20	Risk of Fire at Boilers. There are 4 (four) numbers of Boilers. The Boilers operate at high pressure (Design Pressure 66 kg/cm ²) and Temperature (478 deg C). Therefore there are chances of fire at Boilers.	High	Each Boiler is equipped with Fire Hydrant System which remains pressurised at 7-8 kg/cm ² . The Hydrant point can be rotated at desired direction. Moreover, hired Fire Tender from Tripura State Fire Services is stationed at Plant with experienced Fireman		Continuous	All mitigation plans are in place	
21	Major Overhauling of Steam Turbine Unit#1	High	Originally planned to carry out alongwith Major Inspection of GT#1 in Nov - December 2021. However it has been delayed and currently both the MI of GTG 1 and STG 1 & 2 are being carried out		12-04-2022	Work shall be over by 12-04-2022.	
22	Inadequate lighting in some parts of HRSG ACC and STG areas	High	Providing adequate light in the critical areas for safety and ease of work for O&M personal		continuous	All the measures are being taken to sustain adequate lighting in these areas. In the event of no or less light matter is being brought under notice of the concerned deptt to restore	
23	Continuous Water spray in GT radiator cooler may deplete the ground water level	High	Replacement of existing radiator cooler by efficient cooler		31-12-2022		
24	Replacement of existing Gas Turbine Rotor by new rotor due to	High	Order already placed and one No of GT rotor in Gas Turbine unit #1 is replaced.			Other three nos Rotor will be replaced during coming GT maintenance activities.	

	completion of OEM recommended equipment life.						
25	Procurement of spares for MI of Gas Turbine unit #3	High	Order already placed		30-09-2022		
26	Maintenance of EOT crane	High	This is statutory requirement. An experienced party attended the EOT problems in the moth of March22 and communication is under process for AMC		31-08-2022		
27	Loss of generation due to less Gas supply by M/s GAIL	High	The normative PAF of the plant could not be met due to less fuel supply although the MoU generation target had been achieved			Continuous follow up with GAIL & ONGC	
28	Delay in schedule activities due to transportation problem.	Medium	Due to pandemic situation and geographical location of the plant delay in delivery occurs		Occasional		
29	Disruption of O&M activities due to occasional strike.	Medium	Departmental manpower is arranged for critical areas.		Occasional		
30	Disruption in supply of Manpower by Contractors in emergency related services	High	Negotiation meeting held \with Contractor for immediate resumption of Manpower Supply		Immediate	Joint action being taken by HR, Civil, MMW & Operation Departments	
31	Fire and Electric shock to Manpower working in Canteens and Guest House.	Medium	To avoid electric shock Floor rubber mats are to be supplied and supervision of proper electrical wiring to both the Canteens and Guest House. Regular inspection of fire extinguisher and Instructions to be given to follow safety measures		continuous	Joint action being taken by HR, EM&U, Fire & Safety Departments	
32	Medical check-up of Drivers	Medium	Regular periodic medical check-up of Drivers specially EYE check-up preferably every six months		continuous	Jointly being done by HR and Medical & HS	
33	Fire & Electrical Risk from all sources	High	Regular Monitoring of Fire Extinguishers and Records		Continuous	Concerned Department have been intimated to take action.	

						Partially rectified.	
34	Risk of falling from rooftop while working for absence of proper parapet wall on the roof	High	Display of danger signs		30-06-2022	Concerned deptt has been intimated. Open	
35	Roof stairs are very old and not in good condition: Risk of accident any time	Medium	To be repaired and Display of Danger signs		30-06-2022	-Do-	
36	Constant leakage from the roof & there is a fear of getting Short Circuits.	High	To be repaired and Display of Danger signs		Continuous	Concerned deptt has been intimated. Rectified	
37	There is no boundary wall & light behind the Health Centres. So, sometimes Snake, frogs and other poisonous insects enter the premise. It is also a matter of great fear.	High	To be repaired and Display of Danger signs			Concerned deptt has been intimated. Open	
38	Bio medical waste	Medium	Disposal [regularly-weekly] at AMC, Agartala		Continuous	Communication made on Improper disposal vide approval HoP/600 dtd. 08.02.2022	
39	Compliance with statutory requirement	High	1. Licences renewed 2. renewal of Agreement with ILS Hospital for empanelment of Credit facilities to Employees		continuous	1. After every 3 years [due Jan 2023] 2. After every 2 years [due Feb 2023]	
40	Injury from sharps	Medium	Needle cutter/destroyer/safe disposal. Being checked daily		continuous		
41	Ambulance - availability of accessories	Medium	Medical kits & equipments Being checked daily		continuous		
42	Emergency Patient attendance. Shortage of Man power	High	Arrangement and augmentation of required manpower- Medical & Paramedical Staff			Single doctor & Nursing Officer - on duty" round the Clock"	
43	Statutory Payment	High	Ensure the payment within the 07 th of each month		continuous	Timely complied	

44	B G Safety	High	Every 15 days, check all BGs		continuous	Continuous monitoring	
45	Non-use of PPE by the employee may cause an unsafe Act.	Medium	Continually supervision is needed and being done		continuous		
46	Emergency situation (Fire, accident, etc.)	Medium	Conducting Emergency drills, training program being conducted at regular intervals		continuous		
47	Lack of Safety awareness among the employees	Medium	Display of Safety poster, slogan, etc		continuous		
48	Unauthorized porting of data through Pen drives/external disk drives.	Medium	Intimation to users about relevant clauses of Data Privacy and Security.		continuous	Users to be intimated during this quarter	
49	Risk due to e-waste	Medium	Disposal through CPCB, SPCB empanelled firms		continuous	A list of IT Assets which need to be considered for disposal is currently being processed. The e-waste for this year is expected to be disposed of by Dec22 tentatively.	
50	Risk of continuity of network services	Medium	Compliance as per Network/Communication Infrastructure Policy.		continuous		
51	Redundant Internet connectivity at site	Medium	Compliance as per Network/Communication Infrastructure Policy.		continuous		
52	Threat of fire to IT Assets	Medium	Insurance of IT Assets Intimation to Fire & Safety Wing regarding regular upkeepment of Fire Extinguishers. Intimation to Electrical Maintenance & Utility Wing regarding any electrical related issues.		continuous	IT Assets are currently under insurance coverage till 30.06.2022 The others wings are also intimated on regular basis on cropping up of related issues.	