



SCOPE OF WORK

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ANNEXURE-A

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Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

PROJECT INFORMATION

GAIL (Gas Authority of India Limited) Pata is a major industrial complex located in Pata, Uttar Pradesh, India. It is one of the key facilities operated by GAIL, India's largest state-owned natural gas processing and distribution company. The Pata complex serves as an important hub for various activities related to natural gas processing, petrochemicals production, and power generation.

HOW TO REACH

The Power Plant is at a distance of around 28 Km from main city Auraiya, which lies on main road from Kanpur to Agra via NH19. Major cities Kanpur and Lucknow are around 92 Km and 190 Km away from Auraiya city respectively.

Nearest Railway Station from the Plant is Phaphund Railway station. It is located on the Kanpur—Delhi section of Howrah—Delhi main line and Howrah—Gaya—Delhi line. It is one of the main serving railway stations on the Kanpur—Delhi section of the Prayagraj railway division.

Nearest airports are Kanpur Airport at around 85 Km and Lucknow Airport at around 168 Km from Auraiya city respectively.

PLANT INFORMATION

BHEL has supplied Gas fired Heat Recovery Steam Generator (HRSG) installed in GAIL Pata with specification i.e. horizontal natural circulation single drum, single pressure, duct fired, water tube boiler. It is designed to generate steam quantities of 80 TPH capacity as furnished in operating parameters at 106 kg/sq. cm (a) at 510°C of steam battery limit, under specified modes of operation. Feed water temperature is 105 °C.

This tender is for replacement of Economizer modules, Evaporator Modules & Super Heater Modules along with associated works in two nos of HRSG. All works shall be carried out as per detailed scope of work attached with the tender documents.

TENTATIVE SCHEDULE OF WORK

For First Boiler: The shutdown of first Boiler is planned in March 2026 (any one HRSG) and second followed in April 2026.

Note: Above plan may change based on shutdown given by customer and this shall not entail the bidders to revise their price or any other condition of their offer. This factor may be kept in view while quoting however the entire work is expected to be completed by Dec 2026.

Bidders are strongly advised to inspect the site, examine and obtain all information required and satisfy himself regarding all matters. The price quoted by the bidder shall be on his knowledge and judgement of the conditions and hazards involved. Ignorance of site conditions shall not be accepted as basis for any claim for compensation or will not be considered a reason under force majeure.

Details of Module for HRSG I and II

Sl. No.	BOQ Item Description	UOM	Quantity	
			HRSG-I	HRSG-II
1	Replacement of Economiser Modules	Set	20	16
2	Replacement of Evaporator Modules	Set	7	5
3	Replacement of Superheater Modules	Set	4	0
4	Miscellaneous Works (springs, links, valves, cladding, insulation, steam blowing, restoration, testing & commissioning)	LS	1	1



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RATE SCHEDULE

A	Lumpsum (LS) price for the Mandatory SOW of all two Units/HRSGs (Scope cover under Annexure I&II) inclusive of all consumables, input materials and supervision) excluding GST	Amount to be Quoted: Rs. _____			
B	Break up of Price quoted Under BOQ 10.00 & 20.00				
	Job Description	Qty	UoM	%age Allotted of the QV at S.No. A	Remarks
I	Replacement of modules of HRSG-I in GPU plant of GAIL Pata, Auraiya U.P.	1	Job	61.95	Detailed SOW shall be as per Annexure-II & III applicable for each part
II	Replacement of modules of HRSG-II in GPU plant of GAIL Pata, Auraiya U.P.)	1	Job	38.05	



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Completion Period: The field execution period shall be **30 (thirty) days for HRSG-I and 25 (twenty-five) days for HRSG-II**, starting from the **actual date of commencement of work at site**. This period extends up to the **date of completion of works falling under BHEL's scope**, which includes dismantling, erection, and readiness for hydrotesting of the HRSG system, along with obtaining **statutory clearance from IBR**. The completion of work shall be as **declared by BHEL**.

10.00

SCOPE OF WORK AND DESCRIPTION FOR HRSG-I

10.10

Mobilization and Statutory Compliance Requirements

The contractor shall ensure that site mobilization is completed no later than fifteen (15) days prior to the scheduled shutdown date. The same is required and must for fulfilment of safety gate pass norms and medicals. Agencies should ensure Police verification and that gate passes are received at least two days before mobilisation of manpower and all manpower should have been registered in Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) and covered in Pradhan Mantri Suraksha Bima Yojana (PMSBY) along with WC and ESI. *** Strictly and mandatory requirement of above. Date of mobilisation shall be notified and all gate passes should be available with all norms before start of work

All requisite gate passes for personnel, equipment, and vehicles shall be duly processed and obtained within the mobilization period.

All workers engaged for the above job shall be **mandatorily trained at GAIL Fire and Safety Department**. This training must be **completed within the mobilisation period**, ensuring that all personnel are adequately equipped with the required safety knowledge and protocols before commencement of site activities.

All workers must be **properly equipped with complete safety gear**, including **dongri (coveralls), safety helmet, and full PPE kit**, at all times during work. Additionally, a **daily Tool Box Talk (TBT)** shall be conducted and documented **before the commencement of work each day** to ensure awareness of job-specific risks and safety measures.

The contractor shall ensure that **no workers carry or use mobile phones within the plant premises**, as the site is a **gas processing facility** and such restrictions are **critical for safety compliance**. Strict adherence to this safety requirement is mandatory, and any violation will be treated as a serious safety breach.

All personnel deployed at the site must possess valid police verification records and must have undergone medical examinations. Documentary evidence of the same shall be submitted to the BHEL/Employer prior to deployment and within mobilisation period.

The contractor shall ensure that all eligible workers are enrolled under the **Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY)** and **Pradhan Mantri Suraksha Bima Yojana (PMSBY)** schemes, and that necessary contributions are made in accordance with the applicable guidelines.

Payment of wages, Contribution in PF and bonuses to all workers must strictly comply with the prevailing statutory laws and labour regulations. **ESI and Labour licence should be ensured before start**

All tools, tackles, lifting devices, and equipment proposed for use at the site must be accompanied by valid test certificates, duly signed and stamped by a competent authority. These certificates shall be presented for inspection upon request.



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Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

The contractor shall ensure timely mobilization of radiography sources, including necessary certifications and approvals, prior to the commencement of the shutdown. **Failure to mobilize radiography sources on time shall attract a penalty of INR 5,00,000 (Rupees Five Lakhs Only),**

10.20 IBR Permission and Statutory Inspection
Providing necessary assistance for arranging statutory prior permission for start of work and final clearance from Director of Boilers, Kanpur for pressure parts repairing/replacement work. GAIL will issue the letter to agency addressing to Director of Boiler, Kanpur for prior permission & final clearance. After clearance from EIC and Dy. Director (Boiler), Kanpur. Sub-contractor shall undertake the field work. However, all liaising activities with the office of the Boiler Inspector shall be the sole responsibility of the Contractor.

10.30 Material Handling and Transportation
The scope includes receipt of materials from GAIL stores/storage yard and their transportation and handling at the site, from the stores/storage yard to the designated workplace, as per site requirements. This includes the transportation and handling of HRSG modules, cladding plates, insulation materials, stainless steel (SS) plates, structural steel, Valves, VLH hangers and other related materials necessary for the successful execution and completion of the work.
All Tools and Plants (T&Ps) required for the above activities shall be arranged and provided by the Sub-contractor, excluding any T&Ps specifically provided by GAIL/Customer.

10.40 Scaffolding and Platform Erection The contractor shall be responsible for the erection of scaffolding and approach platforms, as required for the execution of the work. Upon completion of the work, the contractor shall also ensure the dismantling of scaffolding and associated platforms.
All scaffolding materials required for the above activities shall be provided and arranged by the vendor at their own cost.

10.50 Dismantling works:

1. The Contractor shall be responsible for the removal of insulation, hot spots (outer casing), stainless steel (SS) cladding plates, internals, valves, hangers from the HRSG modules, ducts, associated structural supports, MTM pads, C&I equipment, pipes, drain line and any other parts not mentioned in the main scope but required to carry out the main job, as instructed or required.
2. The crane facility of the required capacity will be provided by GAIL Authority. **However, the contractor shall arrange for additional winch machines minimum 03 nos. necessary to provide support and ensure maximum output during the work. Failure to mobilize operational and proper winch machine on time shall attract a penalty of INR 5,00,000 (Rupees Five Lakhs Only), for each machine.**

Scope of Work: Dismantling of Heat Recovery Steam generator

- a) Economizer Modules – Total: 20 Nos.
 - Economizer-I:
 - Stage-I: 6 Sets. (all row)
 - Stage-II: 5 Sets. (all row)
 - Economizer-II:
 - Stage-I: 4 Sets. (all row)
 - Stage-II: 5 Sets. (all row)
- b) Evaporator Modules-Total 7 Sets
 - Front Modules: 2 Sets. (all row)



SCOPE OF WORK

Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES

- Rear Modules: 5 Sets. (all row)
- c) Superheater Modules: Total 4 Sets
 - SH-I set: 2 Sets. (row no. 6&7 i.e. SHM 6 & SHM 7)
 - SH-II set: 2 Sets. (row no 4&5 i.e. SHM 4 & SHM 5)

Note: Each Sets Has 2 coils (left and right side)

If any additional module/internals are required to be dismantled for replacing the above modules, whether it is an economizer, evaporator, or superheater, or anything else, the lifting, space making, and necessary arrangements, as well as re-erection of the same additional module(s) after completion of work, shall be carried out within the existing scope and without any extra charges.

3. The contractor shall be responsible for the **dismantling of any adjacent modules, structures, or other components** as required for the replacement of the modules.
Such dismantling shall be carried out in a manner that ensures the components are preserved and can be reused without damage.
4. Any damaged beam, channel, angle, stiffener or silencer observed at site and requiring repair, strengthening, or replacement as required, shall be deemed included in the scope of work, with no additional time & cost.

Handling, Dismantling, Erection, and Manpower Requirements

The contractor shall make **necessary arrangements** for the **handling, dismantling, and erection of materials** as per the project requirements and specifications.

The contractor shall provide **temporary supports** for the dismantling and erection of the **HRSG modules**, insulation, cladding sheets, old hangers and valves ensuring the successful completion of the tasks as per the project schedule.

A **sponge test/steam blowing** of the modules shall be conducted to ensure the thoroughness and integrity of the tubes.

A minimum of 100 personnel shall be deployed, organized into 6 gangs, to ensure the timely completion of the work. Any minor work such as preparing foot stand for crane laying out metal plates of not less than 20 mm thickness strengthening foot hold areas for crane shall be in scope of vendor including landfilling and temporary strengthening.

Separate and experience gangs must be designated specifically for **valve works** and **hanger works** to ensure efficiency and proper focus on each area.

Separate and experience gangs must be designated specifically for **insulation and cladding work including hot spot areas** to ensure efficiency and proper focus on each area.

If mobilization is not proper and sufficient manpower BHEL reserves the right to impose a penalty of Rs 10000/day from the start of work till the day sufficient manpower are arranged.

10.60

Erection works of modules

The number of modules for erection shall remain the same as those dismantled and will be replaced with new ones. However, the quantities of modules, cross over bends, valves, hotspot areas, insulation, etc. shall vary as per the instructions of the Engineer-in-Charge (EIC), and the rates shall be applied on a pro-rata basis.

Activities:

- a. Economizer Modules – Total: 20 Nos.
 - Economizer-I:
 - Stage-I: 6 Sets. (all row)



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Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

- Stage-II: 5 Sets. (all row)
- Economizer-II:
 - Stage-I: 4 Sets. (all row)
 - Stage-II: 5 Sets. (all row)
- b. Evaporator Modules-Total 7 Sets
 - Front Modules: 2 Sets. (all row)
 - Rear Modules: 5 Sets. (all row)
- c. Superheater Modules: Total 4 Sets
 - SH-I set: 2 Sets. All row (row no. 6&7)
 - SH-II set: 2 Sets. row no 4&5 i.e. SHM 4 & SHM 5)

Note: Each Sets Has 2 coils (left and right side)

Activities:

- Erection and welding to pressure part headers/pipes/bend/MTM pads etc. and any other C&I equipment along with BHEL approved electrodes.
- Conformance to BHEL's alignment and fit-up tolerances.
- Module erection, welding at connection points, cross over bends, other internals and sealing.
- Pre heat, Post heat and Stress relieving etc. of all the joints as per BHEL norms. Agency should have arranged at least 02 Coil heating machine along with TPN, required induction cable set, thermocouple set and thermal chalk of various temperature range. Each machine has the capacity of doing of heat treatment of minimum 05 joints parallelly.
- Visual and NDT/DP test/MPI/ Radiography test checks as per quality plan.
- **Grinding and fitment of stub joints and bends as required.**

10.70

Fit-up of joints:

The Contractor shall be responsible for the fit-up of all joints i.e. cross over bends, tubes, sockets joints etc. in strict compliance with BHEL norms and approved welding procedures. The following conditions shall apply:

1. Fit-up & Joint Preparation

- Fit-up of all joints, including edge preparation and root gap, shall be carried out as per BHEL-approved drawings and WPS (Welding Procedure Specification).
- The fit-up condition, alignment, and joint preparation shall be inspected and jointly verified by BHEL's Engineer-in-Charge (EIC) and the Contractor's quality personnel before commencement of welding. The quality person should be at least ASNT Level III/Welding inspector
- A joint fit-up inspection record, duly signed by the authorized BHEL official, must be maintained for each joint. No welding shall commence without written clearance, if deemed necessary by BHEL.

2. Documentation & Clearance

- Fit-up inspection reports, welder performance records, WPS/PQR approvals, and NDE reports shall be documented and submitted for BHEL verification.
- Welding clearance for subsequent activities shall only be granted after compliance with all the above requirements



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10.80

Welding of joints

The Contractor shall be fully responsible for the welding of all joints associated with the Economizer, Evaporator, and Superheater coils/piping in strict compliance with BHEL norms, approved drawings, WPS/PQR, and as per the instructions of the Engineer-in-Charge (EIC).

a. Scope & Execution

- Welding shall cover all pressure and non-pressure part joints, including butt, socket, fillet, and attachment welds.
- Activities shall be executed within the scheduled time frame & sequence directed by EIC.

b. Welder Deployment & Qualification

- Adequate numbers of IBR-certified welders minimum 8, qualified for the relevant processes (SMAW, GTAW etc.) and joint categories, shall be deployed area-wise (Economizer, Evaporator, Superheater). Only welders qualified for welding and passing the weld test will be considered as mobilised irrespective of number mobilised.
- Welders shall only work within their certified categories, and requalification may be required at BHEL's discretion.
- A welder deployment plan shall be submitted to BHEL prior to commencement.

c. Welding Procedures & Consumables

- All welding shall follow approved WPS/PQR, including preheating, inter-pass temperature control, and PWHT.
- Consumables (electrodes, filler wires, flux, shielding gases etc.) shall be in Contractor's scope, stored and handled as per BHEL standards.
- Drying and holding oven preferably have a temperature control facility upto 400°C for drying oven and 200°C for holding oven. (Minimum 1 nos of Drying oven and 6 nos of Portable oven)
- Low-hydrogen electrodes must be baked in approved ovens as per BHEL norms, with batch-wise baking / issue records maintained for BHEL verification.
- Issued electrode to be kept in the portable oven at the working area and the minimum temperature of 150 °C should be maintained.

d. Quality Control & Check points

- Mandatory fit-up checks shall include root gap, edge preparation, bevel angle, alignment, and electrode classification.
- Fit-up and welding parameters shall be verified and approved by BHEL prior to commencement of welding.
- All welds shall undergo 100% visual inspection and NDE (RT/UT/DPT/MPT) as per the approved QAP.
- Preheating, post-heating, stress relieving, and PWHT of all joints shall be carried out as per requirements and instruction of BHEL.
- Any defects shall be repaired or re-welded at the Contractor's cost.

e. Documentation & Records

- Contractor shall maintain and submit joint-wise welding logs, welder performance records, electrode baking logs, and NDE reports for BHEL review and clearance.

f. Time Compliance & Penalties

- Welding activities must be completed as per erection schedule.
- Delays or rework attributable to the Contractor shall attract penalties as per special term & condition mentioned in annexure-V.

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10.90

Miscellaneous

a. Restoration of VLH Spring Supports

The Contractor shall be responsible for the restoration of VLH spring supports associated with SHM-5-T-11 riser, saturation link, de-superheater links, main steam (MS) line, economizer (ECO) feed and link to the drum, as required under the Project Scope. This includes dismantling and removal of old VLH spring support as per instruction of BHEL and the erection & installation of new VLH spring support in accordance with the Engineer-in-Charge's (EIC) instructions.

b. Replacement of Internal and Crossover Links

The Contractor shall carry out the replacement of internal connecting links and crossover links between the SHM, riser and feeder links of the evaporator, including links located within the economizer boxes. All replacement activities shall be executed with due diligence to ensure proper alignment, fit-up, and functionality in compliance with applicable codes, standards, and project specifications.

c. Replacement of Valves

d. The Contractor shall deploy specialized manpower for all activities associated with valves and shall be responsible for the replacement of the following valves strictly in accordance with the approved makes, specifications, drawings, and instructions of the Engineer-in-Charge (EIC). Valves are to be provided by GAIL

a. 05 Nos. – 3/8", 1500# b. 20 Nos. – 1", 1500# c. 07 Nos. – 1.5", 1500#

c. 09 Nos. – 2", 1500#

d. 02 Nos. – 3-Way, 3", 250 ATM

e. 01 No. – MS029

f. 01 No. – MS030

e. Steam Blowing Arrangements

The Contractor shall be responsible for making all necessary arrangements for steam blowing, including the restoration, setup, and operation of all associated systems and equipment, to ensure successful and safe execution of the activity. Material required for steam blowing arrangements such as tank, plate, pipe, valves, clamp, etc will be provided by GAIL on free of cost basis. Transportation of required material from store to site to execute the steam blowing activity is in the scope of agency. And after completion, same to be dismantled and shifted to store/ designated place instructed by EIC.

f. Insulation and Cladding Works

The Contractor shall execute the replacement of cladding SS plate, SS spokes & retainers, insulation and cladding works from burner to SHM area, over an estimated area of 150 m² (±10% variation), strictly in accordance with the approved drawings, specifications, and procedures, under the supervision and instructions of the Engineer-in-Charge (EIC). Removal and reinstallation of insulation for the replacement of modules, crossover bends, connecting internals, hangers, valves, etc. as required, shall be carried out at no additional cost.

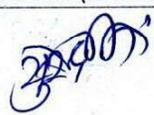
g. **Insulation Material:** Ceramic wool of 25 mm thickness, applied in a maximum of 22 layers, to achieve a total thickness of 550 mm.

h. **Cladding:** To be carried out as per approved specifications and site requirements, ensuring proper finish, alignment, and durability.

i. **Quality & Compliance:** All works shall conform to the approved Quality Assurance Plan (QAP), and shall be subject to inspection and acceptance by the EIC.

j. Hot Spot Repairs on HRSG Outer Casing wall Surface

The Contractor shall perform repair/replace works on the **HRSG outer casing (6 mm thickness)** over an approximate of **50 RM** (of size of standard plate breadth), strictly in accordance with the





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approved methodology, drawings, and specifications, under the supervision of the Engineer-in-Charge (EIC). Stiffener, SS plate, Insulation work and cladding work etc. pertaining to this hot spot of outer casing wall must be included in contractor's scope.

k. Welding and Inspection Requirements

- All welding works related to miscellaneous work shall be carried out strictly in accordance with the provisions of the Indian Boiler Regulations (IBR) and as per BHEL-approved procedures and manuals.
- 100% Radiographic Testing (RT), Dye Penetrant Testing (DPT), and Post Weld Heat Treatment (PWHT) shall be conducted wherever specified under the project requirements and as directed by BHEL.
- A minimum of Eight (08) IBR-certified welders shall be deployed at site at all times to ensure timely and quality execution of welding activities.

The Contractor shall be responsible for the dismantling of any adjacent modules, cross over bends drain line, structures, or other components as required for the replacement of the modules. Such dismantling shall be carried out in a manner that ensures all components are preserved and can be reused or re-erected without damage, even if such minor works are not specifically mentioned in the scope of work but are necessary for completion of the main job. **No extra cost shall be payable to the Contractor for the above works.**

l. Box up of HRSG

After completion of the HRSG work and removal of all foreign materials, the agency shall close all the HRSG manhole and observation window with proper installation of rope, gasket, etc., to prevent air ingress, as per BHEL's instructions. Any man hole, observation window required to repair/ replacement is in the scope of agency.

10.100 Testing, Commissioning, and Defect Rectification

Non-Destructive Testing (NDT), including radiographic testing (if required), shall be conducted in accordance with applicable standards. **Double-shot radiography of welded joints** must be ensured wherever specified or deemed necessary by the inspecting authority.

The contractor shall be responsible for **conducting hydraulic testing and commissioning activities** related to the above Scope of Work (SOW). Any workmanship defects identified during **hydraulic testing, commissioning**, or within the **Defect Liability Period** days shall be **promptly rectified by the contractor at no additional cost to BHEL.**

The contractor shall ensure that **no agency, personnel, or resources from within the plant** are engaged for rectification of such defects during the Defect Liability Period. All corrective actions shall be carried out solely by the contractor using their own resources, without impacting the operations or resources of the plant. The contractor shall make necessary **arrangements for steam blowing**, including **restoration and setup of all associated systems and equipment**, as required for successful execution of the activity

10.110 Other Miscellaneous:

The contractor shall provide **one (01) office attendant** and **one (01) qualified computer operator** on a round-the-clock basis (24x7) for the entire duration of the contract, from commencement to completion of the work.



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The following office infrastructure shall be provided by the contractor **free of cost** for official use throughout the contract period:

- One (01) Laptop/Desktop Computer with latest configuration
- One (01) PSC (Print-Scan-Copy) multifunction printer
- Required computer stationery and printer cartridges
- Reliable internet connectivity with modem/router

The contractor shall arrange for **one (01) furnished residential quarter and cook** for the purpose of operating a running mess for BHEL staff. The quarter shall be in habitable condition and equipped with basic furniture and utilities and mess facilities.

A minimum of **four (04) qualified Safety Officers** shall be deployed at the site to ensure **round-the-clock vigilance (2 in each shift)** and compliance with all safety norms and statutory requirements.

The contractor shall deploy a minimum of **two (2) qualified Quality Engineers on a round-the-clock (24x7) basis** to ensure continuous monitoring and strict adherence to quality standards throughout the execution of the work. These engineers shall be responsible for verifying compliance with applicable specifications, codes, and quality procedures.

Deductions at the rate of 50000/man-day shall be imposed if above manpower is absent during the execution of work over and above the cost expenditure for arranging the above.

The contractor shall also provide **Three (03) geared bicycles** of reputed brand (like Hero, Hercules etc.) for use by BHEL staff for internal movement within the plant premises which shall be later handed over back to the contractor after the work is finished.

Penalty at the rate of Rs. 5000/day shall be imposed if above facilities are not provided during the execution of work, over and above the cost expenditure for arranging the above by BHEL.

Staffing and Work Permit Arrangements: The contractor shall provide **two (02) qualified staff members** responsible for arranging work permits and **one (01) staff member** for preparing gate passes for workers employed at the site.

It shall be ensured that the aforementioned staff members, as well as the workers, are not local personnel.

The contractor shall **arrange accommodation for all their workers and staff at their own cost.** Additionally, the contractor must **provide adequate bus transportation facilities** for commuting of workers and staff to and from the site. **GAIL shall not provide any accommodation within its township** or bear any responsibility related to the housing or transport of contractor personnel.

***** Completion of scope for HRSG-I*****



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20.00. SCOPE OF WORK AND DESCRIPTION FOR HRSG-II

20.10 Mobilization and Statutory Compliance Requirements

The contractor shall ensure that site mobilization is completed no later than fifteen (15) days prior to the scheduled shutdown date. The same is required and must for fulfilment of safety gate pass norms and medicals. Agencies should ensure Police verification and that gate passes are received at least two days before mobilisation of manpower and all manpower should have been registered in Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) and covered in Pradhan Mantri Suraksha Bima Yojana (PMSBY) along with WC and ESI. *** Strictly and mandatory requirement of above. Date of mobilisation shall be notified and all gate passes should be available with all norms before start of work

All requisite gate passes for personnel, equipment, and vehicles shall be duly processed and obtained within the mobilization period.

All workers engaged for the above job shall be **mandatorily trained at GAIL Fire and Safety Department**. This training must be **completed within the mobilisation period**, ensuring that all personnel are adequately equipped with the required safety knowledge and protocols before commencement of site activities.

All workers must be **properly equipped with complete safety gear**, including **dongri (coveralls), safety helmet, and full PPE kit**, at all times during work. Additionally, a **daily Tool Box Talk (TBT)** shall be conducted and documented **before the commencement of work each day** to ensure awareness of job-specific risks and safety measures.

The contractor shall ensure that **no workers carry or use mobile phones within the plant premises**, as the site is a **gas processing facility** and such restrictions are **critical for safety compliance**. Strict adherence to this safety requirement is mandatory, and any violation will be treated as a serious safety breach. All personnel deployed at the site must possess valid police verification records and must have undergone medical examinations. Documentary evidence of the same shall be submitted to the Employer prior to deployment and within mobilisation period.

The contractor shall ensure that all eligible workers are enrolled under the **Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) and Pradhan Mantri Suraksha Bima Yojana (PMSBY)** schemes, and that necessary contributions are made in accordance with the applicable guidelines.

Payment of wages, Contribution in PF and bonuses to all workers must strictly comply with the prevailing statutory laws and labour regulations. **ESI and Labour licence should be ensured before start**

All tools, tackles, lifting devices, and equipment proposed for use at the site must be accompanied by valid test certificates, duly signed and stamped by a competent authority. These certificates shall be presented for inspection upon request.

The contractor shall ensure timely mobilization of radiography sources, including necessary certifications and approvals, prior to the commencement of the shutdown. **Failure to mobilize radiography sources on time shall attract a penalty of INR 5,00,000 (Rupees Five Lakhs Only),**

20.20 IBR Permission and Statutory Inspection

Providing necessary assistance for arranging statutory prior permission and final clearance from Director of Boilers, Kanpur for pressure parts repairing/replacement work. GAIL will issue the letter to agency addressing to Director of Boiler, Kanpur for prior permission & final clearance. After clearance from EIC and Dy. Director (Boiler), Kanpur. Sub-contractor shall undertake the field work. However, all liaising activities with the office of the Boiler Inspector shall be the sole responsibility of the Contractor.



SCOPE OF WORK

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ANNEXURE-II

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Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

20.30	Material Handling and Transportation The scope includes receipt of materials from GAIL stores/storage yard and their transportation and handling at the site, from the stores/storage yard to the designated workplace, as per site requirements. This includes the transportation and handling of HRSG modules, cladding plates, insulation materials, stainless steel (SS) plates, structural steel, Valves, VLH hangers and other related materials necessary for the successful execution and completion of the work. All Tools and Plants (T&Ps) required for the above activities shall be arranged and provided by the Sub-contractor, excluding any T&Ps specifically provided by GAIL/Customer.
20.40	Scaffolding and Platform Erection The contractor shall be responsible for the erection of scaffolding and approach platforms , as required for the execution of the work. Upon completion of the work, the contractor shall also ensure the dismantling of scaffolding and associated platforms. All scaffolding materials required for the above activities shall be provided and arranged by the vendor at their own cost.
20.50	Dismantling works: <ol style="list-style-type: none">1. The Contractor shall be responsible for the removal of insulation, hot spots (outer casing), stainless steel (SS) cladding plates, internals, valves, hangers from the HRSG modules, ducts, associated structural supports, MTM pads, C&I equipment, pipes, drain line and any other parts not mentioned in the main scope but required to carry out the main job, as instructed or required.2. The crane facility of the required capacity will be provided by GAIL Authority. However, the contractor shall arrange for additional winch machines minimum 03 nos. necessary to provide support and ensure maximum output during the work. Failure to mobilize operational and proper winch machine on time shall attract a penalty of INR 5,00,000 (Rupees Five Lakhs Only), for each machine. Scope of Work: Dismantling of Heat Recovery Steam generator <ol style="list-style-type: none">a. Economizer Modules – Total: 16 Sets.<ul style="list-style-type: none">• Economizer-I:<ul style="list-style-type: none">○ Stage-I: 2 Sets. (row 1&6)○ Stage-II: 5 Sets. (all row)• Economizer-II:<ul style="list-style-type: none">○ Stage-I: 4 Sets. (all row)○ Stage-II: 5 Sets. (all row)b. Evaporator Modules – 5 Sets Rear Modules: 5 Sets. (all row) Note: Each Sets has 2 coils (left and right side) <p>If any additional module/internals are required to be dismantled for replacing the above modules, whether it is an economizer, evaporator, or superheater, or anything else, the lifting, space making, and necessary arrangements, as well as re-erection of the same additional module(s) after completion of work, shall be carried out within the existing scope and without any extra charges.</p> <ol style="list-style-type: none">3. The contractor shall be responsible for the dismantling of any adjacent modules, structures, or other components as required for the replacement of the modules. Such dismantling shall be carried out in a manner that ensures the components are preserved and can be reused without damage.



SCOPE OF WORK

Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

4. Any damaged beam, channel, angle, or stiffener observed at site and requiring repair, strengthening, or replacement as required, shall be deemed included in the scope of work, with no additional time & cost.

Handling, Dismantling, Erection, and Manpower Requirements

The contractor shall make **necessary arrangements** for the **handling, dismantling, and erection of materials** as per the project requirements and specifications.

The contractor shall provide **temporary supports** for the dismantling and erection of the **HRSG modules**, ensuring the successful completion of the tasks as per the project schedule.

A **sponge test/steam blowing** of the modules shall be conducted to ensure the thoroughness and integrity of the tubes.

A minimum of 100 personnel shall be deployed, organized into 6 gangs, to ensure the timely completion of the work. Any minor work such as preparing foot stand for crane laying out metal plates of not less than 20 mm thickness strengthening foot hold areas for crane shall be in scope of vendor including landfilling and temporary strengthening.

Separate gangs must be designated specifically for **valve work** and **hanger works** to ensure efficiency and proper focus on each area.

If mobilization is not proper and sufficient (less than 100) BHEL reserves the right to impose a penalty of Rs 10000/day from the start of work till the day sufficient manpower are arranged.

20.60

Erection works of modules

The number of modules shall remain the same as those dismantled and will be replaced with new ones. However, the quantities of modules, valves, hotspot areas, insulation, etc. shall vary as per the instructions of the Engineer-in-Charge (EIC), and the rates shall be applied on a pro-rata basis.

a. Economizer Modules – Total: 16 Sets.

• Economizer-I:

- Stage-I: 2 Sets. ((row 1&6)
- Stage-II: 5 Sets. (all row)

• Economizer-II:

- Stage-I: 4 Sets. (all row)
- Stage-II: 5 Sets. (all row)

b. Evaporator Rear Modules-Total 5 Sets

Rear Modules: 5 Sets. (all row)

Note: Each set has two coils (left and right side)

Activities:

- Erection and welding to pressure part headers/pipes/bend/MTM pads etc. and any other C&I equipment along with BHEL approved electrodes.
- Conformance to BHEL's alignment and fit-up tolerances.
- Module erection, welding at connection points, cross over bends, other internals and sealing.
- Pre heat, Post heat and Stress relieving etc. of all the joints as per BHEL norms. Agency should have arranged at least 02 coil heating machine along with TPN, required induction cable set, thermocouple set and thermal chalk of various temperature range. Each machine has the capacity of doing of heat treatment of minimum 05 joints parallelly.
- Visual and NDT/DP test/MPI/ Radiography test checks as per quality plan.
- **Grinding and fitment of stub joints and bends as required.**



SCOPE OF WORK

Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

20.70

Fit-up of joints:

The Contractor shall be responsible for the fit-up of all joints i.e. cross over bends, tubes, sockets joints etc. in strict compliance with BHEL norms and approved welding procedures. The following conditions shall apply:

1. Fit-up & Joint Preparation

- Fit-up of all joints, including Edge preparation and root gap, shall be carried out as per BHEL-approved drawings and WPS (Welding Procedure Specification).
- The fit-up condition, alignment, and joint preparation shall be inspected and jointly verified by BHEL's Engineer-in-Charge (EIC) and the Contractor's quality personnel before commencement of welding. The quality person should be at least ASNT Level III/Welding inspector
- A joint fit-up inspection record, duly signed by the authorized BHEL official, must be maintained for each joint. No welding shall commence without written clearance, if required by BHEL.

2. Documentation & Clearance

- Fit-up inspection reports, welder performance records, WPS/PQR approvals, and NDE reports shall be documented and submitted for BHEL verification.
- Welding clearance for subsequent activities shall only be granted after compliance with all the above requirements

20.80

Welding of joints

The Contractor shall be fully responsible for the welding of all joints associated with the Economizer, Evaporator, and Superheater coils/piping in strict compliance with BHEL norms, approved drawings, WPS/PQR, and as per the instructions of the Engineer-in-Charge (EIC).

a. Scope & Execution

- Welding shall cover all pressure and non-pressure part joints, including butt, socket, fillet, and attachment welds.
- Activities shall be executed within the scheduled timeframe and sequence directed by the EIC.

b. Welder Deployment & Qualification

- Adequate numbers of IBR-certified welders minimum 8, qualified for the relevant processes (SMAW, GTAW, etc.) and joint categories, shall be deployed area-wise (Economizer, Evaporator, Superheater). Only welders qualified for welding and passing the weld test will be considered as mobilised irrespective of number mobilised.
- Welders shall only work within their certified categories, and requalification may be required at BHEL's discretion.
- A welder deployment plan shall be submitted to BHEL prior to commencement.

c. Welding Procedures & Consumables

- All welding shall follow approved WPS/PQR, including preheating, inter-pass temperature control, and PWHT.
- Consumables (electrodes, filler wires, flux, shielding gases) shall be in Contractor's scope, stored and handled as per BHEL standards.
- Drying and holding oven preferably have a temperature control facility upto 400°C for drying oven and 200°C for holding oven. (Minimum 01 nos of Drying Oven and 6 nos of portable oven)
- Low-hydrogen electrodes must be baked in approved ovens as per BHEL norms, with batch-wise baking / issue records maintained for BHEL verification.
- Issued electrode to be kept in the portable oven at the working area and the minimum temperature of 150 °C should be maintained.



SCOPE OF WORK

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ANNEXURE-II

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Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

d. Quality Control & Checkpoints

- Mandatory fit-up checks shall include root gap, edge preparation, bevel angle, alignment, and electrode classification.
- Fit-up and welding parameters shall be verified and approved by BHEL prior to commencement of welding.
- All welds shall undergo 100% visual inspection and NDE (RT/UT/DPT/MPT) as per the approved QAP.
- Preheating, post-heating, stress relieving, and PWHT of all joints shall be carried out as per requirements and instruction of BHEL.
- Any defects shall be repaired or re-welded at the Contractor's cost.

e. Documentation & Records

- Contractor shall maintain and submit joint-wise welding logs, welder performance records, electrode baking logs, and NDE reports for BHEL review and clearance.

f. Time Compliance & Penalties

- Welding activities must be completed as per erection schedule.
- Delays or rework attributable to the Contractor shall attract penalties as per special term & condition mentioned in annexure-V.

20.90

Miscellaneous

a. Restoration of VLH Spring Supports

The Contractor shall be responsible for the restoration of VLH spring supports associated with SHM-5-T-11 riser, saturation link, de-superheater links, main steam (MS) line, economizer (ECO) feed, and link to the drum, as required under the Project Scope. This includes dismantling and removal of old VLH spring support as per instruction of BHEL and the erection & installation of new VLH spring support in accordance with the Engineer-in-Charge's (EIC) instructions.

b. Replacement of Internal and Crossover Links

The Contractor shall carry out the replacement of internal connecting links and crossover links between the SHM, riser, and feeder links of the evaporator, including links located within the economizer boxes. All replacement activities shall be executed with due diligence to ensure proper alignment, fit-up, and functionality in compliance with applicable codes, standards, and project specifications.

c. Replacement of Valves

The Contractor shall deploy specialized manpower for all activities associated with valves and shall be responsible for the replacement of the following valves strictly in accordance with the approved makes, specifications, drawings, and instructions of the Engineer-in-Charge (EIC).

- 05 Nos. – 3/8", 1500#
- 20 Nos. – 1", 1500#
- 07 Nos. – 1.5", 1500#
- 09 Nos. – 2", 1500#
- 02 Nos. – 3-Way, 3", 250 ATM
- 01 No. – MS029
- 01 No. – MS030

d. Steam Blowing Arrangements

The Contractor shall be responsible for making all necessary arrangements for steam blowing, including the restoration, setup, and operation of all associated systems and equipment, to

Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

ensure successful and safe execution of the activity. Material required for steam bowing arrangements such as tank, plate, pipe, valves, clamp, etc will be provided by GAIL on free of cost basis. Transportation of required material from store to site to execute the steam blowing activity is in the scope of agency. And after completion, same to be dismantled and shifted to store/ designated place instructed by EIC.

e. Insulation and Cladding Works

The Contractor shall execute the replacement of cladding SS plate, SS spokes & retainers, insulation and cladding works from burner to SHM area, over an estimated area of 150 m² ($\pm 10\%$ variation), strictly in accordance with the approved drawings, specifications, and procedures, under the supervision and instructions of the Engineer-in-Charge (EIC). Removal and reinstallation of insulation for the replacement of modules, crossover bends, connecting internals, hangers, valves, etc. as required shall be carried out at no additional cost.

- **Insulation Material:** Ceramic wool of 25 mm thickness, applied in a maximum of 22 layers, to achieve a total thickness of 550 mm.
- **Cladding:** To be carried out as per approved specifications and site requirements, ensuring proper finish, alignment, and durability.
- **Quality & Compliance:** All works shall conform to the approved Quality Assurance Plan (QAP), and shall be subject to inspection and acceptance by the EIC.

f. Hot Spot Repairs on HRSG Outer Casing wall Surface

The Contractor shall perform repair works on the **HRSG outer casing (6 mm thickness)** over an approximate length of **50 RM** (of size of standard plate breadth), strictly in accordance with the approved methodology, drawings, and specifications, under the supervision of the Engineer-in-Charge (EIC). Stiffener, SS plate, Insulation work and cladding work etc. pertaining to this hot spot of outer casing wall must be included in contractor's scope

g. Welding and Inspection Requirements

- All welding works related to miscellaneous work shall be carried out strictly in accordance with the provisions of the Indian Boiler Regulations (IBR) and as per BHEL-approved procedures and manuals.
- 100% Radiographic Testing (RT), Dye Penetrant Testing (DPT), and Post Weld Heat Treatment (PWHT) shall be conducted wherever specified under the project requirements and as directed by BHEL.
- A minimum of Eight (08) IBR-certified welders shall be deployed at site at all times to ensure timely and quality execution of welding activities.

The Contractor shall be responsible for the dismantling of any adjacent modules, cross over bends, drain line structures, or other components as required for the replacement of the modules. Such dismantling shall be carried out in a manner that ensures all components are preserved and can be reused or re-erected without damage, even if such minor works are not specifically mentioned in the scope of work but are necessary for completion of the main job. **No extra cost shall be payable to the Contractor for the above works**

h. Box up of HRSG

After completion of the HRSG work and removal of all foreign materials, the agency shall close all the HRSG manhole and observation window with proper installation of rope, gasket, etc., to prevent air ingress, as per BHEL's instructions. Any man hole, observation window required to repair/ replacement is in the scope of agency.





SCOPE OF WORK

Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

20.100 Testing, Commissioning, and Defect Rectification

Non-Destructive Testing (NDT), including radiographic testing (if required), shall be conducted in accordance with applicable standards. **Double-shot radiography of welded joints** must be ensured wherever specified or deemed necessary by the inspecting authority.

The contractor shall be responsible for **conducting hydraulic testing and commissioning activities** related to the above Scope of Work (SOW). Any workmanship defects identified during **hydraulic testing, commissioning, or within the Defect Liability Period** shall be **promptly rectified by the contractor at no additional cost to BHEL.**

The contractor shall ensure that **no agency, personnel, or resources from within the plant** are engaged for rectification of such defects during the Defect Liability Period. All corrective actions shall be carried out solely by the contractor using their own resources, without impacting the operations or resources of the plant. The contractor shall make **necessary arrangements for steam blowing, including restoration and setup of all associated systems and equipment**, as required for successful execution of the activity.

20.110 Other Miscellaneous:

The contractor shall provide **one (01) office attendant** and **one (01) qualified computer operator** on a round-the-clock basis (30x7) for the entire duration of the contract, from commencement to completion of the work.

The following office infrastructure shall be provided by the contractor **free of cost** for official use throughout the contract period:

- One (01) Laptop/Desktop Computer with latest configuration.
- One (01) PSC (Print-Scan-Copy) multifunction printer.
- Required computer stationery and printer cartridges
- Reliable internet connectivity with modem/router

The contractor shall arrange for **one (01) furnished residential quarter** and cook for the purpose of operating a running mess for BHEL staff. The quarter shall be in habitable condition and equipped with basic furniture and utilities.

A minimum of **three (03) qualified Safety Officers** shall be deployed at the site to ensure **round-the-clock vigilance** and compliance with all safety norms and statutory requirements.

The contractor shall deploy a minimum of **two (2) qualified Quality Engineers on a round-the-clock (24x7) basis** to ensure continuous monitoring and strict adherence to quality standards throughout the execution of the work. These engineers shall be responsible for verifying compliance with applicable specifications, codes, and quality procedures.

Deductions at the rate of 50000/man-day shall be imposed if above manpower is absent during the execution of work over and above the cost expenditure for arranging the above.

The contractor shall also provide **Three (03) geared bicycles** of reputed brand (like Hero, Hercules etc.) for use by BHEL staff for internal movement within the plant premises. which shall be later handed over back to the contractor after the work is finished.

Penalty at the rate of Rs. 5000/day shall be imposed if above facilities are not provided during the execution of work, over and above the cost expenditure for arranging the above by BHEL.

Staffing and Work Permit Arrangements: The contractor shall provide **two (02) qualified staff members** responsible for arranging work permits and **one (01) staff member** for preparing gate passes for workers employed at the site.



SCOPE OF WORK

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ANNEXURE-11

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Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

It shall be ensured that the aforementioned staff members, as well as the workers, are not **local personnel**.

The contractor shall **arrange accommodation for all their workers and staff at their own cost**. Additionally, the contractor must **provide adequate bus transportation facilities** for commuting of workers and staff to and from the site. **GAIL shall not provide any accommodation within its township** or bear any responsibility related to the housing or transport of contractor personnel

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SCOPE OF WORK

Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

30.00	PROVIDING VEHICLE FOR SITE USAGE	
	Vehicle Scope of Work and Terms and Conditions.	
A.	SCOPE: Providing One Vehicle exclusively for BHEL Staff use at, GAIL Pata, in connection with "REPLACEMENT OF MODULES OF HRSG-I & II IN GPU PLANT OF GAIL PATA at GAIL, Pata, Auraiya UP" for start of work till completion of work (Tentatively 60 Vehicle days for each Unit=120 days in total).	
B.	Payment: Payment for providing the vehicle shall be done as per actual usage of vehicle days including running charges, OT & Night Charges after completion of work and as per following rate and Terms & conditions detailed as below.	
c.	Schedule of Rates and Prices for (4+1-Seater) Dzire/Indigo/SUV or (6+1-Seater) Bolero/ Scorpio or any equivalent type of Vehicle	
1.	Type of Vehicle	(4+1-Seater) Dzire/Indigo/SUV or (6+1-Seater) Bolero/ Scorpio or any equivalent type of Vehicle
2.	Daily Hire charges Rate for 12 hours duty	Rs. 997/- per day
3.	Running charges	Cost of 1 litre fuel for every 10 Km running
4.	Overtime charges per hour (after 12 hours duty)	Rs. 53/- per hour
5.	Night Charges per night for stay beyond 11 PM Overtime and night cannot be clubbed together night shall only be paid when vehicle is used away from site due to any reason.	Rs. 319/- per night
D.	Terms and Conditions: As per annexure VII	

Note: The agency must ensure provision of fire arrestors as per GAIL safety requirements for vehicles transporting BHEL personnel inside the plant.



BILL OF QUANTITY

Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

Sl. No.	Item Description/Area of Work	Unit	Qty.	% age of allotted Value at Sl.No B.1 of Rate Schedule (100%=61.95% of A)	Completed
10.00	REPLACEMENT OF MODULES OF HRSG-I IN GPU PLANT OF GAIL PATA, Auraiya U.P.				
10.10	Mobilization and Statutory Compliance Requirements	LS	1	05.0 %	
10.20	IBR Permission and Statutory Inspection	LS	1	02.0 %	
10.30	Material Handling and Transportation	LS	1	03.0%	
10.40	Scaffolding and Platform Erection	LS	1	02.0 %	
10.50	Dismantling of modules:	LS	1	17.0 %	
10.60	Erection of modules	LS	1	09.0 %	
10.70	Fit-up of modules joints	LS	1	09.0%	
10.80	Welding Works	LS	1	10.0%	
10.90	Miscellaneous as follows:				
a.	Restoration of VLH spring supports associated with the SHM-5-T-11 riser	LS	1	05.0%	
b.	Saturation link to drum, de-superheater links to desuperheater header, main steam (MS) line, economizer (eco) feed, and eco link to the drum etc., as required for the project scope.	LS	1	05.0%	
c.	Replacement of Valves as mentioned in scope of work under para 10.90 Sl no. c.	LS	1	02.0%	
d.	Necessary arrangements for steam blowing, including restoration and setup of all associated systems and equipment, as required for successful execution of the activity	LS	1	04.0%	
e.	Insulation and Cladding Plates Area: ~150 m ² (±10% variation)	LS	1	07.0%	
f.	Hot Spot Repair Area on HRSG Outer Surface Approx.50 Running Meters	LS	1	07.0%	
10.100	Testing, Commissioning, and Defect Rectification	LS	1	10.0%	
10.110	Other Miscellaneous			03.0%	
TOTAL				100.00 %	
30.00	Providing vehicle for site usage as per actuals	1		As per actual (tentative 60 vehicle days per unit)	

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BILL OF QUANTITY

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ANNEXURE – IV

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HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)					
20.00 REPLACEMENT OF MODULES OF HRSG-II IN GPU PLANT OF GAIL PATA, Auraiya U.P.					
Sl. No.	Item Description/Area of Work	Unit	Qty.	% age of allotted Value at Sl.No B.2 of Rate Schedule(100%=38.05% of A)	Completed
20.10	Mobilization and Statutory Compliance Requirements	LS	1	05.0 %	
20.20	IBR Permission and Statutory Inspection	LS	1	02.0 %	
20.30	Material Handling and Transportation	LS	1	03.0%	
20.40	Scaffolding and Platform Erection	LS	1	02.0 %	
20.50	Dismantling works:	LS	1	17.0 %	
20.60	Erection of modules:	LS	1	09.0 %	
20.70	Fit-up of modules joints	LS	1	09.0%	
20.80	Welding Works	LS	1	10.0%	
20.90	Miscellaneous				
a.	Restoration of VLH spring supports associated with the SHM-5-T-11 riser	LS	1	05.0%	
b.	Saturation link to drum, de-superheater links to desuperheater header, main steam (MS) line, economizer (eco) feed, and eco link to the drum etc., as required for the project scope.	LS	1	05.0%	
c.	Replacement of Valves as mentioned in scope of work under para 20.90 Sl no. c.	LS	1	02.0%	
d.	Necessary arrangements for steam blowing, including restoration and setup of all associated systems and equipment, as required for successful execution of the activity	LS	1	04.0%	
e.	Insulation and Cladding Plates Area: ~150 m ² (±10% variation)	LS	1	07.0%	
f.	Hot Spot Repair Area on HRSG Outer Surface Approx.50 Running Meters	LS	1	07.0%	
20.100	Testing, Commissioning, and Defect Rectification	LS	1	10.0%	
20.110	Other Miscellaneous			03.0%	
TOTAL				100.00%	
30.01	Providing vehicle for site usage		1	As per actual (tentative 60 vehicle days per unit)	

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SPECIAL TERMS AND CONDITIONS

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ANNEXURE -V

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Job: HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)

SPECIAL TERMS AND CONDITIONS	
1	Heavy equipment's like crane, tractor, trailer, hydra, forklifts etc. shall be provided by GAIL free of cost, wherever required for the smooth execution of the work. However, operator/ driver for same shall be arranged by the agency if required. In addition to above in the interest of work crane/ Hydra of required capacity if required, shall be arranged and provided by the agency at his own cost as per BHEL site in charge instruction.
2	The agency has to obtain other statutory clearances and permissions from concerned authorities as required for the work and they must observe and strictly adhere to all labour & industrial laws, safety rules and other statutory laws, acts & regulations as applicable for the contract.
3	The agency has to provide all required, all skilled & semi-skilled labours & technicians, experienced engineers & supervisors, qualified crane operators, qualified personnel for DPT, UT, Radiography, Heat Treatment, SR, D-Metering and other tests and other Manpower as per site requirement. Note: The agency has to provide the police verification certificate & Medical fitness certificate of all the staff/workers deployed by him at site for the subject work before start of work.
4	Proper Arrangement of House Keeping, strict compliance of Health Safety & Environment norms of BHEL, Day to Day cleaning of the entire working area and final area cleaning on completion of work including arrangement of water washing equipment and accessories is included in the Scope of Work of the Subcontractor
5	The sub-contractor shall carry out Dismantling, Removal, shifting of any obstructing structures, pipelines, cables & cable trays, trench pipes, trenches, equipment, facilities etc. as required including restoration of the same on completion of work. Any rerouting of pipelines, cables and cable trays, trench pipes, trenches, equipment facilities etc, if required, shall be carried out by subcontractor free of cost.
6	All Necessary Preparation, Development, Barricading and Marking of the Area has to be made by the subcontractor for Storage, Fabrication, and Pre-Assembly & Erection of the Materials.
7	Erection of scaffolding as per requirement and subsequent dismantling after completion of work shall be in Gail Scope. However, in addition to above in the interest of work the sub-contractor has to carry out' Erection of Scaffolding, Platforms, Approaches as required and Dismantling of the same on completion of work as per site requirement.
8	Transportation of dismantled components, scraps & debris generated and other materials removed to disposal yard/stores on day to day basis. After completion of work, cleaning & shifting of all type of scrap from site to scrap yard and Transportation balance/surplus materials to store.
9	Erection of Temporary Structures as required and restoration of same after completion of work.
10	Locking of structures/equipment and Dismantling of existing equipment, structures, flooring and other associated equipment & assemblies as required for successful completion of work.
11	Penalties: Radiography Sources: Failure to mobilize radiography sources on time shall attract a penalty of INR 5,00,000 (Rupees Five Lakhs Only),



SPECIAL TERMS AND CONDITIONS

	<p>Qualified IBR Welders: Failure to mobilize qualified IBR welders on time shall attract a penalty of INR 50,000 (Rupees Fifty Thousand Only),</p>
	<p>Qualified Safety Supervisor: Failure to mobilize a qualified Safety Supervisor on time shall attract a penalty of INR 50,000 (Rupees Fifty Thousand Only),</p>
	<p>Quality Engineers: Failure to mobilize Quality Engineers on time shall attract a penalty of INR 50,000 (Rupees Fifty Thousand Only),</p>
	<p>Miscellaneous Job: Failure to complete the miscellaneous jobs/denial to undertake from vendor side, specifically the replacement of hangers, valves, pipelines, headers (required for replacement of modules), cladding sheets, laying of pipelines from the top of the HRSG to the ground floor (as instructed by the EIC for steam blowing), outer hotspot casing, or any other structures required for completion of the scope, shall attract a penalty of 30% of the total contract value. However, if any work is deemed not required or excluded due to lack of spares from GAIL the same shall be deducted as per percentage basis.</p>
12	Dismantling of temporary structures erected without damaging it and its transportation to stores for use in next unit. The erection of platforms wherever required for approaching to the different types of instruments, pneumatic actuator and electrical actuator etc. shall be covered under the scope of work.
13	Erection, Assembly, Alignment, Matching, Welding, Cutting, Grinding, Drilling, Connection, Testing and other associated works of Materials supplied for subject work including any minor rectification, modification, adjustment, fabrication, matching, machining etc. of the supplied materials (without any extra cost to BHEL).
14	DPT, UT, Radiography, SR & Heat Treatment of HP Joints, Critical welds & others as per BHEL norms.
15	Any Modification, Dismantling, Assembly, Servicing and associated works in existing equipment, structures, assemblies, piping, supports, etc. as required for retrofitting of new materials.
16	Hydraulic Test of HRSG and rectification of defects observed including replacement/re-erection/rectification of components as required limited to SOW.
17	Testing and commissioning of system including installation of testing equipment, tapping points etc. and rectification of defects observed including replacement/re-erection/rectification of components as required for the subject work.
18	Necessary assistance for other Tests of Equipment & Systems, Boiler Light Up and other pre-commissioning & commissioning activities and rectification of defects observed including replacement/re-erection/rectification of components as required.
19	Handing Over of the system to the customer after successful completion of work including Commissioning Trial Operations.
20	All works are to be carried out as per drawings and as per instruction of BHEL Engineer and all necessary adjustments, setting, alignment, testing and other associated works shall be carried out as per drawings and as per instruction of BHEL Engineer.

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SPECIAL TERMS AND CONDITIONS

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ANNEXURE-V

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21	Electric power supply shall be provided free of cost at single point. Agency to make its own arrangement to use the same at work site by extending cable, extension switchboards with MCBs of required capacity
22	The agency must maintain proper system of documentation for Quality, Safety, HSE and other aspects so as to fulfil the requirement of ISO, OHSAS, 5S, SA 8000 and other National/ International standards.
23	The work shall be carried out in three shifts. Deployment of sufficient manpower shall be ensured by the agency. Timely completion & maintaining quality of work, round the clock including Sundays and Holidays.
24	Agency should mobilize the site 15 days in advance & shift all the materials to work place before the commencement of shutdown of the unit for completing statutory permission's & other gate pass formalities.
30	Any other work not specifically mentioned in the above scope of work but required to be carried out for completion of above work shall be in the scope of agency.
	Penalty imposed on agency for Labour related payment as per GAIL's /BHEL guidelines a. Delay in disbursement of wage payment to resources after 7th of next month & b. Delay in deposition of Provident fund in PF account of resources after 15th of next month Penalty imposed on agency against violation of safety, health and environment as per GAIL's /BHEL guidelines.
28	In case of contradiction between GSCC & Annexure-I&II, Conditions in Annexure-I&II will prevail & be final.



TERMS & CONDITIONS

JOB:	HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)
1.	JOB COMPLETION PERIOD: <p>The field execution period shall be 25 (Twenty-Five) days for HRSG-II and 30 days for HRSG-I, starting from the actual date of commencement of work at site up to the hydro test after completing the jobs in all respect. This period includes the field execution period, testing, re-commissioning and all statutory clearances till ready to light up condition of HRSG 1 & 2 except for works required to be carried out during pre-outage & post commissioning period. However, the agency shall put all out efforts to reduce the Completion Schedule to the extent possible. Any unforeseen hold ups or execution of additional works affecting the Critical Path Activities shall be reviewed and evaluated by Site Engineer for determining Overall Job Completion Period.</p> <p>However, the job completion period may be reduced due to any emergent reasons or BHEL's commitment to customer or any other reasons and the contractor shall have to complete the work in the reduced completion period as per instruction of BHEL Engineer by augmenting manpower & other resources and by use of improved techniques & methods as required without any extra cost to BHEL.</p> <p>Any additional quantity of work or optional works executed and any unforeseen hold-ups or unavoidable delay not attributable to the agency affecting the Critical Path Activities shall be reviewed and evaluated by BHEL Site Engineer for the purpose of determining Overall Job Completion Period. However, the agency must make all out efforts by augmenting manpower & other resources to meet the completion schedule.</p>
2.	EXECUTION OF WORK: <p>Work shall be carried out round the clock in 3 shifts of 8 Hours each with adequate Manpower & Resources in each shift and for all critical activities; workforce must be available during lunch hours & during shift changeover period so as to avoid any discontinuity in work.</p>
3.	COMMENCEMENT OF WORK: <p>The successful bidder must mobilize required manpower & resources at within 03 days on issue of LOI/Mobilization Notice /Telephonic Request. Considering the requirement of statutory permission and other gate pass formalities, agency mobilized & report at site at least 15 days prior to the actual start of the work.</p>
4.	DEFECT LIABILITY PERIOD: <p>Defect liability for each unit will be 12 months from the date of completion of work/boiler ligitup whichever is later pertains to agency scope for attending to workmanship defects only, subject to workmanship defect is observed and intimated within the defect liability period. Minimum five (05) days' time will be provided for remobilization of site and shut down of required duration will be made available.</p> <p>In case the defect noticed during the defect liability period is not attended immediately whenever the opportunity is provided by the customer, BHEL reserves the right to get the defect attended by any other agency or through customer and recover the entire cost incurred with overhead at prevailing rate from the SD or any other claims of the contractor.</p> <p>Security Deposit of the contractor against this contract shall be released only after successful completion of defect liability period without any defect or successful rectification of all defects observed during the defect liability period whichever is later and on submission of receipt of tax deposited against final bill.</p>



TERMS & CONDITIONS

JOB:	HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES).
5.	INSURANCE, PROVIDENT FUND & LABOUR LICENCE OF WORKMEN:
	<p>The contractor is required to comply with all applicable labor laws and regulations including, but not limited to the following:</p> <ul style="list-style-type: none">a. The Factories Act, 1948 / The Shops & Establishment Act, 1948 (which ever applicable)b. The Maternity Benefit Act, 1961c. The Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act 1979 & Building and Other Construction Workers Welfare Cess Act, 1996d. The Inter State Migrant Workmen (RECS) Act 1979 (if applicable)e. Contract Labor (R&A) Act-1970f. Employees' Provident Fund & Misc. Provisions Act- 1952g. Employees' Compensation Act, 1923h. Payment of Gratuity Act, 1972i. Minimum of Wages Act,1948j. The Payment of Wages Act,1936k. The Payment of Bonus Act,1965l. The agency shall compulsorily take Insurance, for all personnel deployed and the insurance must be valid till defect liability period. The agency must have independent PF Registration No. and they must deposit the prescribed amount to the Statutory Authorities as per the relevant Acts/Rules.
6.	GATE PASS & POLICE VERIFICATION OF PERSONNEL:
	<p>The agency shall arrange entry/exit gate passes for Manpower, Materials & Vehicles from concerned Security Agency of the Customer at their own cost as per the prescribed procedures of the customer.</p>
7.	FACILITIES AT SITE:
	<p>Suitable accommodation for subcontractor's personnel, if available, shall be provided by GAIL on chargeable basis, the charges for which shall be payable directly by subcontractor. However, in case of non-availability, the same to be arranged by subcontractor on its own. Suitable Stores & Office for subcontractor shall be provide by GAIL as per availability at site. However, in case of non-availability, the same to be arranged by subcontractor on its own cost, space for the same shall be provide at site. The agency to provide, at his own cost, all necessary facilities to the personnel deployed like accommodation with proper sanitary facilities, transport, electricity, water, medical, food, safety equipment, personal protective equipment, first aid etc. as required under relevant statutory acts & rules. Adequate arrangement of illumination of working area including providing of flood lights, halogen lamps, 30 V Transformers etc.</p>
8.0	MANPOWER:
8.1	<p>The agency has to deploy adequate nos. of Engineers, supervisors and highly skilled, skilled, semi-skilled & un-skilled manpower so as to complete the work in the specified completion period.</p>
8.2	<p>Agency to ensure that no physically unfit/mentally unsound & under-aged person (below 18 years) are employed & to maintain the requisite health records of the personnel deployed.</p>
8.3	<p>In addition to above, the contractor must provide additional manpower as required at any stage of work for smooth execution & timely completion of work without any extra cost to BHEL. In case the contractor fails to provide additional manpower as required, BHEL reserves the right to arrange additional manpower from other sources and recover the cost incurred with overhead at prevailing rate from the bills of the contractor.</p>



TERMS & CONDITIONS

JOB:	HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)
9.0	T&P, IMTES & CONSUMABLES:
9.1	Contractor will have to provide all necessary T&Ps, IMTE's & Consumables in sufficient quantities for successful completion of works in schedule time. T&Ps & IMTEs used by the agency duly tested and test certificate from Govt. approved agency must be available at site. List of T&Ps, IMTE's & Consumables, Electrical Winch M/c (3T/ 5T), Pulley (3T/5T), Welding Generator, Welding Rectifier, Tube Bending M/c with dies. Tube Beveling Machine, Tube Cutting Machine, Chain Pulley Block (1T,2T,3T,5T,) Hook Choke, Slings, GQ4/AG4/AG5 Grinders, FE2 Grinders/Rotary cutter, AG7 Grinder, D-Meter, Heat treatment Equipment, Electrode Baking Oven, Portable oven, Gas Cutting set, Heating Set, TIG welding set, Arc welding Set, Vernier Caliper, DP Kit, DA & O2 Gas, Argon Gas, Material Handling T&Ps, Spanners-Ring/D/Slogging/Box (Up to 95 mm), General Purpose T&Ps, General Purpose MMDs, Sealing & Jointing, Anti seize and Rust Removal Compound, Cloth & Oil for cleaning, Welding Electrodes, Welding, Cutting & Grinding, Consumables,
9.2	General Purpose Consumables etc. to be arranged in sufficient quantity as per requirement. Entry Gate pass & test certificate of all IMTE'S & T&Ps must be submitted to BHEL site office prior to start of work.
9.3	Other T&P viz pliers, hammers & files etc. and consumables viz HSS/carbide rotary cutters, carbide tipped cutting tools, material handling T&Ps, Spanners, hacksaws, Measuring Tapes, Tri Square and other general purpose T&Ps/ IMTEs, emery papers of various grades, buffing wheels, high speed rotary stones, grinding/cutting wheels, diamond grinding paste, hold tight, Rust removing sprays for removal of seized fasteners etc. are to be arranged in sufficient quantity as per requirement
9.4	All consumables like, Welding Electrodes & Filler Wires (BHEL approved only), D.A., Oxygen, Argon, Nitrogen and other Industrial Gases, DPT & MPI Consumables, Blue Paste, Diesel, Petrol, Kerosene, Acetone and other oil, Rust Remover Compound, Sealing & Jointing Compounds, Cloths, Emery Paper, Coir Rope, Paint and fasteners of size M12 & below all other types of Consumables etc. shall be arranged by the agency at their own cost.
9.5	DA, Oxygen, Argon, Liquid Nitrogen and all Industrial gases must be arranged from approved agencies only and their testing certificates must be submitted. Entry Gate pass submitted to office
9.6	In case the contractor fails to provide such additional T&Ps, MMDs, Consumables & Other Materials as required, BHEL reserves the right to arrange additional T&Ps, MMDs, Consumables & Other Materials from any source and recover the cost incurred with overhead at prevailing rate from the bills of the contractor.
9.7	All the Critical Material Handling T&Ps such as Chain Pulley Blocks, Pull & Lifts, Slings etc. and Electrical T&Ps such as Welding Machines, Grinders etc. should have valid Testing Certificates and the same must be checked & tested prior to their use at site. In the event of non-availability of the required T&Ps after start of the work, BHEL shall have the option to provide the T&Ps on chargeable basis subject to availability. In addition, a penalty of R s. 1000/- per item shall also be levied on the contractor.
9.8	All the Critical MMDs must be available with valid testing & calibration certificates at site. The contractor shall submit the list of available MMDs along with their calibration certificate. In case of failure to submit the above details or in the event of non-availability of the required MMDs after start of the work, BHEL shall have the option to provide the calibrated MMDs on chargeable basis subject to availability. In addition, a penalty of Rs. 1000/- per item shall also be levied on the contractor.



TERMS & CONDITIONS

JOB:	HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)
9.9	All the Consumables must be of the best quality and of approved brands only. Only BHEL approved Welding Electrodes & Filler Wires shall be used and their Test Certificates shall be submitted. DA, Oxygen, Argon and all Industrial gases must be arranged from approved agencies only and their testing certificates must be submitted.
10.0	SUBMISSION OF DOCUMENTS: The agency shall have to submit the list of Manpower, T&Ps, MMDs, Consumables & Other Materials before commencement of work and they shall also submit copies of Labour License, PF Registration Certification, Workmen Insurance, Gate Passes of Manpower & Materials and other statutory documents after mobilization at site. Agency has to submit quality Plan, Detail Welding Schedule and Day wise activity schedule before starting of job. During execution of the work, Daily Progress Reports and other required documents shall have to be furnished by the agency.
11.0	JOB PROGRESS & REVIEW: Checking of all defects and submission of report to BHEL by the contractor to be done as soon as the machine is opened to facilitate early action for rectification/replacement. Daily work planning, scheduling and reviewing of work will be done by the contractor and Contractor's representative must attend daily review meeting with BHEL every evening in the work control office and submit progress report on daily basis to BHEL.
12.0	MISCELLANEOUS:
12.1	Contractor shall depute their representative for necessary co-ordination, follow up and shifting/transportation of materials from and to work spot / workshop /stores etc. Day to day area cleaning and scrap removal & final area cleaning after completion of work to be done as directed by BHEL. Removal of insulation, refractory, cladding, paint as per site requirement is included in the scope.
12.2	Transportation of Materials at Site including arrangement of truck/trailer and Hydra along with fuel and operator as required. Return of unutilized spares and other materials provided by the customer.
12.3	No idle labour/over-run/de-mobilization/mobilization charges shall be paid in the event of any stoppage of work or the completion period getting extended for any reason.
12.4	The successful bidder shall not sub — contract work in part or whole without the written permission of BHEL and the bidder is solely responsible to the work awarded to the bidder.
12.5	No interest shall be payable on Earnest Money Deposit, Security Deposit or any other claims. Terms of forfeiture of EMD & SD and Other Conditions shall be as per NIT.



TERMS & CONDITIONS FOR VEHICLE USAGES AT SITE

JOB:	HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)
D.	TERMS & CONDITIONS FOR VEHICLE USAGES AT SITE
1.	Type of Vehicle must be (6+1-Seater) Bolero/ Scorpio or any equivalent type of Vehicle and not older than 2021 Model with excellent running conditions or, Type of Vehicle must be (4+1-Seater) Dzire/Indigo/SUV or any equivalent type of Vehicle and not older than 2021 Model with excellent running conditions. BHEL shall inform as per manpower deployed.
2.	The vehicle should be in the name of bidder or should be duly authorized by the rightful owner for deployment under this contract.
3.	Distance and time shall be taken into the account from garage to garage. However, these will be limited to 10 km and half an hour each way for the payment of purpose.
4.	The above rates are inclusive of all charges towards driver, fuel, maintenance, lubricants, insurance and statutory taxes etc. No other charges shall be payable.
5.	Duty hours shall be 12 hours/day. Depending on the site condition vehicle can be retained at site throughout the night and continued next morning in which case overtime (OT) beyond 12 hours will be paid as per agreed rates.
6.	Night charges and overtime charges shall Not be paid concurrently beyond 11 pm.
7.	The vehicle shall be diesel or petrol driven and in excellent running condition. In case of break down alternate replacement vehicle shall have to be provided by the agency otherwise BHEL will arrange the vehicle at the risk and cost of the agency.
8.	For running charges, receipt of fuel shall be attached along with bill.
9.	The maintenance of vehicle shall be responsibility of agency. However, suitable breaks for maintenance of vehicle shall be given as per convenience of BHEL, during this agency shall provide alternate vehicle.
10.	All expenses towards state taxes/road tax, passenger taxes, road permits, pollution control certificate, insurance, driver's license etc. shall be borne by the agency. No claim in this regard will be entertained by BHEL.
11.	Mobile Phone is compulsory for each driver who is on duty.
12.	All legal responsibility of the vehicle shall be of the agency. Photocopy of all statutory requirements i.e. pollution test certificate, challan, vehicle registration book, driving license, ownership documents etc. will have to be made available/submitted to BHEL by the agency.
13.	Toll tax and parking charges shall be paid by the agency which will be reimbursed to him by BHEL, as per actual, on submission of receipt.
14.	Vehicle shall be used at site as per requirement till completion of work, if work completed before the contract period BHEL reserves the right to terminate the contract.
15.	The vehicle may be required to be taken outside the power plant area whereby the same rates will be applicable.
16.	During contract, if there is any dispute then the decision taken by the legal advisor appointed by BHEL shall be binding on both parties.
17.	The meter reading shall be checked at random intervals to ensure its correctness.
18.	Driver engaged shall be courteous and well behaved. Safety of driver, his accommodation, food and other facilities for the driver have to be arranged by the agency.
19.	All bills shall be accompanied by vehicle log book, duly completed and signed by the users.
20.	No payments shall be made for the unsigned mileage reflected in the log book.
21.	Payment shall be made after completion of work on receipt of bills and duly verified by BHEL engineer in-charge by electronic transfer to the account in the bank identified by the agency.
22.	Signed no due certificate from the owner of the vehicle along with signed wage sheet payment of drivers should be enclosed along with the bill.



DOCUMENTS ALONG WITH BILLS

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ANEXURE – VIII

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JOB:	HIRING OF SERVICES FOR MAJOR MAINTENANCE/REVAMPING ACTIVITIES IN HRSG INSTALLED IN GPU PLANT AT GAIL PATA ON TURNKEY BASIS (REPLACEMENT OF MODULES)
	Along with First Bill/Running bills
1.	Labor License Labor Insurance WC/ESI PVC PMJJBY and PMSBY Contract Agreement Authorization Letter Details of Wages sheet if calendar month is completed Wage roster if calendar month is completed Attendance register if calendar month is completed PF challan and ECR copy if calendar month is completed T&P List and calibration certificate
2.	Along with Final Bills 1) 'No Claim Certificate' by Contractor as per Clause 2.6.11 of the GSCC 2) Clearance certificates where ever applicable viz. Clearance Certificates from Customer, various Statutory Authorities like Labour department, PF Authorities, etc if applicable. 3) NOC from CISF/gate pass authority 4) NOC from Gail store 5) NOC from Gail Engineer in charge 6) NOC from all workers/persons engaged by the agency as per format attached 7) All wage sheets challans and ECR copies for all the months/days with payments reflecting bonus/ESI etc as per norms.

अनापत्ति प्रमाणपत्र (श्रमिक हेतु)

परियोजना से संबंधित विवरण

श्रमिक का विवरण

परियोजना / साइट : _____ नाम : _____
कार्य आदेश संख्या : _____ पिता का नाम : _____
विक्रेता / ठेकेदार का नाम : _____ आधार संख्या : _____
कार्य अवधि : _____ से _____ तक कार्य / पदनाम : _____
मोबाइल नंबर : _____

घोषणा :
मैं, श्री/सुश्री _____, पिता/पुत्री श्री _____, निवासी
_____ यह घोषित करता/करती हूँ कि –

- मैंने उपरोक्त अवधि में एम/एस _____ के अधीन कार्य किया है।
- मुझे उक्त अवधि का संपूर्ण वेतन एवं सभी वैधानिक भुगतान (जैसे ईपीएफ/ईएसआई आदि) प्राप्त हो चुका है।
- मेरे द्वारा किए गए कार्य के संबंध में मुझे कोई शेष दावा या बकाया भुगतान नहीं है।
- भविष्य में मैं किसी भी प्रकार का दावा नहीं करूँगा/करूँगी तथा इस कार्य अवधि के संबंध में एम/एस _____ अथवा उसके ग्राहक को किसी प्रकार के उत्तरदायित्व हेतु जिम्मेदार नहीं ठहराऊँगा/ठहराऊँगी।

हस्ताक्षर / अंगूठा निशान : _____
दिनांक : _____ स्थान : _____

साक्षी/ ठेकेदार का नाम _____ मोबाइल नं. : _____