



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA

परमाणु ऊर्जा विभाग
DEPARTMENT OF ATOMIC ENERGY

भारी पानी संयन्त्र (मनुगुरु)
HEAVY WATER PLANT (MANUGURU)

TENDER DOCUMENT

Tender Notice No.: **HWP/PP/Dissolution & Bagging/2026**

Name of the work: Dissolution of Na₂S flakes at H₂S generation unit & Bagging of Na₂SO₄ powder at Spray Dryer Unit.

Last date and time of closing of online submission of tenders: **On 26.05.26 up to 18:00:00 hrs**

Date and time of online opening of Technical Bid: **On 27.05.26 after 14:30 hrs.**

| | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the work: | Dissolution of Na₂S flakes at H₂S generation unit & Bagging of Na₂SO₄ powder at Spray Dryer Unit. |
| Tender Notice No.: | HWP/PP/Dissolution & Bagging/2026 |

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GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
HEAVY WATER PLANT (MANUGURU)

ITEM RATE TENDER & CONTRACT FOR WORKS

A) **Tender for the work of:** Dissolution of Na₂S flakes at H₂S generation unit & Bagging of Na₂SO₄ powder at Spray Dryer Unit.

B) **Tender No:** HWP/PP/Dissolution & Bagging/2026

To be uploaded by 18:00:00 Hours on **26.05.26** at <https://eprocure.gov.in>

- a) To be opened in presence of tenderers who may be present at 14.30 Hours on **27.05.2026** in the Office of **Dy. General Manager (Process), HWP (M)**

Uploaded by: Name & address of the firm:

.....
.....
.....

TENDER

I/We have read and examined the notice inviting tender, Schedule [form of HWP (M)], A, B, C, D, E & F, Specifications applicable & drawings Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' / the tender document, Schedule of Quantities and accordance in all respects with the specifications, designs, drawings and instructions in writing referred to Rule – 1

HWP/PP/Dissolution & Bagging/2026

of General Rules and Directions and in Clause 11 of the Conditions of the contract and with such materials are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for ninety (90) days from the due date of its opening from the date of opening of technical bid in case tenders are invited on 2 bid/ envelope system (or) 60 days from the due date of opening of bid (in case of single bid system) and not to make any modifications in terms and conditions.

A sum of `...../- is hereby forwarded in cash/receipt treasury challan /deposit at call receipt of a scheduled bank / fixed deposit receipt of scheduled bank / demand draft of a scheduled bank / bank guarantee issued by a scheduled bank as earnest money.

A copy of earnest money in receipt treasury challan/deposit call receipt of Scheduled bank/fixed deposit receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank is scanned and uploaded (For E-tender only). If I/We, fail to furnish the prescribed Performance Bank Guarantee within prescribed period, I/we agree that the said President of India or his successor in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/we agree that President of India or is successor in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the Performance Bank guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision in Clause 12.2 and 12.3 of the tender form.

Further I/we agree that in case of forfeiture of earnest money or both Earnest money & Performance guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred from tendering in HWB/HWPM in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated:

Signature of the Contractor

Witness:

Postal Address

Address:

Occupation:

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of President of India for a sum of `/-

(Rupees

.....
.....
.....)

The letters referred to below shall form part of this contract Agreement:-

- (a)
- (b)
- (c)

For & on behalf of President of India

Signature.....

Dated:.....

Designation.....

Note:

Bidder must upload the duly signed & stamped copy of this Memorandum sheets (2 pages) and the original paper(s) with EMD credential shall reach the O/o DGM (P), HWP (M) on or before 14:00 Hrs of 27.05.2026

Government of India
Department of Atomic Energy
Heavy Water Plant (Manuguru)

H.W.P Colony (P.O),
Gautaminagar,
Aswapuram,
507 116,
Bhadradri-Kothagudem dist.

AGREEMENT

(Tender No:) HWPM/PP/Dissolution & Bagging/2026

I/We hereby agree for the execution of the jobs specified by General Manager , HWP(M), on behalf of President of India, in the underwritten memorandum within the time specifications, drawings and other respects in accordance with such conditions so far as applicable.

MEMORANDUM

1. Name of the job : **Dissolution of Na₂S flakes at H₂S generation unit & Bagging of Na₂SO₄ powder at Spray Dryer Unit.**
2. Tender No. : **HWPM/PP/Dissolution & Bagging/2026**
3. Estimated Cost : **Rs. 14,90,000/-**
4. Period of contract : **24 Months**
5. Security Deposit : **2% of the tendered value.**
6. Performance guarantee: **5% of the tendered value.**

Should this agreement be accepted in whole or in part, I/We hereby agree

- (i) To abide by and fulfill all the terms and provisions of said conditions annexed here to and all the terms so far as applicable and/or in default thereof to forfeit and pay to the President of India or his successors in office the sum of money of the security deposit. If I/We fail to commence the work specified in the memorandum, I/We agree (i) that the said President or his successors in office shall without prejudice to any other right or remedy be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money will be retained by him towards security deposit mentioned above.
- ii) To execute all the works referred to in the tender document upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to a maximum of twenty five percent at the rates quoted in the tender document and those in excess of that limit at the rates to be determined in accordance with the provisions contained in clause 12(a) of the general conditions of the contracts of the department.

HWPM/PP/Dissolution& Bagging/2026

Date _____ the _____ day of _____ 2026

Signature of Tenderer

Name of tenderer

Witness:

Signature

Name

Address:

Name of tenderer's Bank branch :

Occupation:

Tenderer's account number :

PART-I TECHNICAL SPECIFICATIONS & GENERAL CONDITIONS

A.1. Scope and Description of the job:

01 **Name of the work: Dissolution of Na₂S flakes at H₂S generation unit & Bagging of Na₂SO₄ powder at Spray Dryer Unit.**

Item-01: Collecting and transporting drums containing Na₂S flakes (50 Kg net weight) from the ground floor of Na₂S building using mechanical chain hoist facility or by using contractor's own mechanical / manual resources, transporting the drums nearer to solution tanks on the first floor, cutting open drums and Polythene bags and emptying the chemical into solution tanks, collecting and transporting of the empty drums along with Polythene bags and lids from the first floor to the ground floor of the Na₂S building by using the manual resources of the contractor as per the direction of the HWP(M) engineer.

Item-02: Washing of used Polythene bags and disposal to stores open yard as per the direction of the HWPM Engineer.

Item-03: Thorough washing of empty Na₂S drums and stacking them properly at the designated place as per the direction of the HWPM engineer.

Item-04: Handling, Bagging, stacking of Sodium Sulphate powder into empty bags, re bagging of damaged sodium Sulphate powder into empty new bags and stacking them at designated place, cleaning of Sub platforms of Recovery unit, Spray dryer Chamber Cleaning and cleaning of burner as and when required.

Item-05: Internal Cleaning of Tank/ Vessel as per confined space entry permit procedure and removal, collection, shifting of debris to a designated place as directed by HWPM Engineer.

02. **Scope:** The contractor shall make his own arrangement for tractor, labourers and other staff required for the above mentioned jobs. The contractor has to arrange manpower for round the clock shift jobs with entry pass. The sticking machine shall be required to provide by the contractor with threads. The contractor has to provide tools and tackle for the Item no 6.

03. **Quantity to be handled:**

Item-01 : 150 MT Na₂S Flakes.

Item-02: 6000 of polythene bags.

Item-03 : 3000 Nos of Empty Drums.

Item-04: 700 Lots for bagging Na₂SO₄ Powder.

Item-05: 06 No of Tank.

04. Description of the system & job:

- Item-01:** Collecting and transporting drums containing Na₂S flakes (50 Kg net weight from the ground floor of Na₂S building using mechanical chain hoist facility or by using contractor's own mechanical / manual resources, transporting the drums nearer to solution tanks on the first floor, cutting open drums and Polythene bags and emptying the chemical into solution tanks, collecting and transporting of the empty drums along with Polythene bags and lids from the first floor to the ground floor of the Na₂S building by using the manual resources of the contractor as per the direction of the HWP(M) engineer.
- Item-02:** Washing of used Polythene bags and disposal to stores open yard as per the direction of the HWPM Engineer.
- Item-03:** Thorough washing of empty Na₂S drums and stacking them properly at the designated place as per the direction of the HWPM engineer.
- Item-04:** Handling, Bagging, stacking of Sodium Sulphate powder into empty bags, re bagging of damaged sodium Sulphate powder into empty new bags and stacking them at designated place, cleaning of Sub platforms of Recovery unit, Spray dryer Chamber Cleaning and cleaning of burner as and when required.
- Item-05:** Internal Cleaning of Tank/ Vessel as per confined space entry permit procedure and removal, collection, shifting of debris to a designated place as directed by HWPM Engineer

05. **Period of Contract:**

The period of the contract shall be **24 months** from the date of commencement of the work.

Signature of the tenderer

06. Safety Aspects:

The following safety appliances are to be used by the staff of the contractor while handling the Na₂S flakes Drums :

- (a) Dust Respirators
- (b) hand gloves
- (c) Safety Shoes
- (d) Helmet
- (e) Safety goggles

These appliances will have to be arranged by the contractor. The safety procedures will have to be strictly followed by the contractor and his workers. If the engineer finds that these Signatures of the tenderer are floated by any laborers, the engineer will have the right to insist upon the contractor to remove such person from duty. The staff of the contractor has to get acquainted with the hazards of H₂S and they will be given hazardous area entry permits on returnable basis. They have to follow the required safety precautions within the hazardous area and have to work under the direction of authorized representative of HWP(M).

The contractor has to ensure the following:

- Follow the loading/unloading procedures.
- Maintain minimum permissible speed inside the plant premises.
- Educate your workers about the H₂S-hazards, use of lead acetate paper/canister mask and the emergency siren.
- Use the required safety appliances like safety shoes, gloves, helmets etc.
- Keep the working area neat and clean.
- Always contact department personnel, in case of any emergency through PA system/telephone.
- Always use the designated dust bins for keeping the waste materials.

PPE Compliances and safety Violation Clause:

The contractor shall ensure that all personnel deployed for execution of the work strictly comply with the safety rules and regulations of the plant. All workers shall mandatorily wear the prescribed Personal Protective Equipment (PPE) such as safety helmet, safety shoes, gloves, safety goggles, and any other protective equipment as required for the specific work area while working inside of the plant premises.

In case any worker of the Contractor is found working without the required PPE or violating the safety norms, the following action shall be taken:

First violation: The concerned worker shall be immediately removed from the work site and escorted out of the plant premises penalty of Rs 1000/- (Rupees One Thousand only) per instances shall be imposed on the contractor.

Second violation: In case of a second violation by same worker, The concerned worker be removed from the work site and a penalty of Rs 5000/- (Rupees Five Thousand only) per instances shall be imposed on the contractor. A non-compliance letter also be issued to the contractor.

Third violation : If the same worker commits a third violation, the worker shall be debarred from entering or working in the plant premises for a period of three (3) months per instance shall be imposed on the contractor.

All penalties imposed shall be recoverable from the Contractor's running bills or any other payment mode. The Contractor shall be fully responsible for ensuring strict adherence to safety requirement by their workforce. the decision of the Engineer in charge/ plant Authority shall be final and binding on contractor.

Signature of Tenderer

Part –II - GENERAL CONDITIONS OF THE CONTRACT

The Bidder shall submit his quotation in duplicate and the rates shall be entered only in “Schedule of Quantities and Rates” of the tender document. The quotation for the work shall remain open for a period of 60 days from the date of opening of quotations. The Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money deposit if any tenderer withdraws his quotation before the said period or makes any modification in the terms and conditions of the tender which are not acceptable to the department, and to forfeit the whole of the earnest money if the tenderer, whose quotation is accepted, fails to commence the work specified in the NIT (along with changes in the scope, if any) in prescribed time or abandons the work/supply before its completion.

1. If a contractor has any query regarding the bidding conditions, bidding process and/or rejection condition, he may bring out the same in pre-bid meeting/pre bid queries on his covering letter while submitting the offer.
2. **EARNEST MONEY DEPOSIT:** EMD @2% is to be submitted along with quotation.
3. **SECURITY DEPOSIT, PERFORMANCE GUARANTEE, PVC & GST:**
 - a. On award of the contract, 2% of each running bill shall be deducted towards security deposit. Contractor shall also submit performance guarantee @ 5% of tendered value. The entire security deposit thus accumulated and the amount submitted towards the performance guarantee shall be returned to the contractor within one month after clearance of final bill.
 - b. The contractor should arrange POLICE VERIFICATION CERTIFICATE (PVC) from the Office of Superintendent of Police, Bhadradi Kothagudem Dist for the Labour employed by him. The expenditure incurred towards obtaining PVC is to be borne by the contractor himself/herself.
 - c. The quoted rate should be inclusive of all taxes, duties and levies (except EPF & Insurance). GST at applicable rates will be recovered from the bills.
4. The intending tenderer shall inspect the site of work and satisfy himself regarding the scope and type of jobs that are required to be done by him before quoting his rates. The rates once accepted shall be final and binding during the entire period of the contract.
5. Contractor shall implement the provisions under Minimum Wages Act, Payment of Wages Act, Contract Labour (Regulation & Abolition) Act, Employees Provident Fund & Miscellaneous Provisions Act, Workmen's Compensation Act etc., as well as any other statutory Acts/Orders issued by government from time to time. Tenderer should possess valid EPF subscription code No. and mention the same in the tender schedule otherwise he should obtain the same within one week from the date of receipt of the work order or letter of indent. The contractor should produce the documents in proof having paid PF and Insurance dues in respect of the labourers to the respective offices in applicable cases and in case of failure on the part of the contractor his RA and Final bills are likely to be withheld. EPF & Insurance up to a maximum of 18.11% on manpower cost shall be reimbursed to the contractor who complies with the EPF & Insurance rules and subject to the proof of documentary evidence of having incurred such expenditure as per rules.
6. Contractor should employ experienced staff for carrying out the work. As plant is handling dangerously poisonous gas, staff not having any previous experience/training shall not be allowed.

Signature of the Tenderer

7. Contractor should get well acquainted about plants location climatic condition, available facilities & nature of work. No excuse will be entertained if the contractor comes up with a claim, afterwards that the rates quoted are too low & hence work cannot be completed. General Manager, HWPM reserves right to off load the work from the contractor partly or fully if he finds the quality of work is sub standard and/or abnormally long delay in execution of the work. Such work, if off loaded, shall be executed through other agency, at the discretion of General Manager, HWPM at the risk & cost of the original contractor.
8. Contractor may note that though tender enquiry has been raised for various jobs listed, we reserve the right to issue part order also. Quoted rates shall be valid for each item and not only for total scope for a period of at least 60 days from the date of opening of the tender. All the rates shall be firm throughout the period of the contract and available for 30% excess quantity also.
9. Contractor staff shall not tamper with any other items of the plant. They shall not open/close or finger with any valve, fittings etc. unless specifically instructed. They should be equipped with all safety gadgets required for safe working (to be provided by contractor at his own cost). Contractor's staff should obey discipline & observe all safety & security rules in vogue. Safety work permit system, hot work permit system, gate pass system etc. shall be strictly followed.
10. Transportation of all free issue materials etc. from stores yard to work spots at the time of collection & returning back of balance material after completion of work shall be the responsibility of the contractor. No extra payment shall be claimed for this activity. To & Fro transportation of contractor's staff within project site shall be the responsibility of contractor. Departmental facilities may not be provided to them. All items drawn from stores and kept at work spots shall be at contractor's own risk and any damage occurred shall be recovered at suitable rates from contractor's bills.
11. All pages of the quotation shall be signed by the contractor & office seal shall be put. Quotation shall be submitted in duplicate. All rates shall be written preferably in English & also in words. No overwriting shall be accepted.
12. Contractor's staff may have to work round the clock hours and General shift. . For work on holidays & time beyond normal working hours, special permission may be sought by the contractor.
13. In order to subcontract any part of the work, contractor should obtain written permission from General Manager, HWPM.
 - a. In case such permission is not obtained and it is learnt that the job has been sub-contracted, the EMD amount/security deposit amount shall be forfeited.
 - b. If the subcontractor fails to carry out the work satisfactorily, the original contractor shall be responsible for making it good, at no extra cost.
14. Contractor may note that present contract is being entered into in order to take up the works described in schedule of rate sheet, as & when basis (item rate contract). Hence, the quantities shown need not be mistaken as the work front readily available. There is no lower limit of quantity actually to be executed. The present contract is only item rate contract and hence only unit rates shall be quoted.
15. Running Account bill shall be prepared, generally once in two months. However, the frequency of RA bill may vary depending on the amount of job executed.
16. Contractor should nominate/give power of attorney to one/two of his regular staff (and inform us in writing) for receiving material from stores, signing measurement book etc. for & on behalf of contractor.

Signature of the Tenderer

17. Disputes or differences in opinions that shall arise between contractor & HWP(M) related to drawings, execution material appropriation or payment etc. shall be mutually settled, to the maximum extent. In case such mutual agreement cannot be arrived upon, both the parties shall appoint one arbitrator within one month from such dispute commencement. In case a common arbitrator cannot be agreed upon, the sole arbitrator appointed by General Manager of HWP(M) shall be binding for both shall be continued in order to avoid hamper in plant's progress.
18. With a view to safeguard the secrets & confidential information/documents of HWP(M), contractor hereby binds himself to maintain secrecy about such details. They shall ensure that no third party shall have access to know any details about the confidential information directly or indirectly through him or his staff.
19. Force majeure clause that shall be considered is only for following situations:
 - a. Industrial dispute/labour strike when informed to GM, HWP(M) in writing.
 - b. Major fire accident.
 - c. Flood or earth-quake or any natural calamity.
20. Contractor should note that the description of items/work shown in this contract is not exhaustive and actual requirement shall be as necessary at site. Due to this, if there is any variation/change in work contractor shall have to execute it as if it is without any extra claim.
21. Contractor staff must get acquainted with H₂S related safety, carrying lead acetate paper, following buddy system, carrying & wearing of BA mask, monitoring H₂S gas or process liquid leak. It is contractor's responsibility to ensure proper training of their staff before engaging them in work. The contractor shall be responsible to ensure that the workmen are provided with adequate safety gear at his own cost. In case any accident happens entailing incapacitation or death of a workman under the charge of the contractor either on his permanent rolls or otherwise, it shall be the duty of the contractor to provide for the medical treatment, payment of half-monthly wages and other relief during the period of hospitalization of the workman concerned and compensation, if any, payable under the provisions of workmen compensation Act 1923. For all purposes and intent, the government is deemed to have been indemnified by the contractor in terms of the relevant provisions of the workmen compensation Act 1923 against any responsibility on this account and it shall be the exclusive responsibility of the contractor to meet all the exclusive responsibility of the contractor to meet all the expenditure and the compensation arising out of accident, if any, during the course of the execution of the contract or otherwise.
22. If the contractor commits breach of any of the terms and conditions of the contract, the engineer on behalf of the president of India shall have powers to determine or rescind the contract as aforesaid (of which termination or rescission notice in writing to the contractor under the hand of the engineer shall be conclusive evidence) upon such determination or rescission the security deposit of the contractor shall be liable to be forfeited and shall be absolutely at the disposal of government.
23. The Engineer shall have power to make any alterations in, omissions from, additions to or substitutions, the original specifications, drawings, designs and instructions that may appear to him to be necessary during the progress of the work and the contractor shall carry out the work in accordance with any instructions which may be given to him in writing signed by the engineer and such alterations, omissions, additions or substitutions shall not invalidate the contract and any altered, additional or above specified as part of the work shall be carried out by the contractor on the same conditions in all respects on which he agreed to do the main work.
24. The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor. The work shall throughout the stipulated period of the contract be proceeded with all due diligence and the contractor shall pay as compensation an amount equal to one percent or such smaller amount as the General Manager (whose decision in writing shall be final) may decide on the amount of the estimated cost of the whole work as shown in the tender, for every day that the work remains uncommenced or unfinished after the proper dates subject to a maximum of 10% on the estimated value put to tender.

Signature of the tenderer

**PARTICULARS REGARDING REGISTRATION AND APPLICABILITY OF
EMPLOYEES PROVIDENT FUND ACT, 1952.**

(Work order / NIT No. _____ ,
dated _____)

| S.No | Detail(s) | To be filled by the contractor |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 01 | Name and nature of the contracting firm. | _____ |
| 02 | Composition of contracting firm (Strike out whichever is not applicable) | <ul style="list-style-type: none"> • Sole Proprietorship. • Partnership. • Joint stock Company |
| 03 | Particulars of works undertaken by /awarded to the contracting firm and the number of workmen employed against each category | _____ |
| 04 | State whether the Contracting firm has any sister concern / subsidiary or is holding a company of any other joint stock company. | _____ |
| 05 | No.of workmen employed by the contracting firm (Latest and periodical wage register should be produced on demand from the Accounts Section). | _____ |
| 06 | Whether or not the contracting firm has any time been registered with a Provident Fund Commissioner or the PF Enforcement authorities concerned, Under any provisions of the Act, including Voluntary Enrolment under Sub-Sec.(4) of Sec.1 of the Act. If yes, PF subscription No. etc., may be furnished. | _____ |
| 07 | Whether or not the particular work as quoted by or awarded to the Contracting firm, has anytime attracted the provisions of the EPF & MP Act. If yes, the PF subscription No. etc., may kindly be stated. | _____ |
| 08 | Any other information as the Contracting firm may volunteer to furnish. | _____ |

Signature Of the Contractor or Authorized Signatory

DECLARATION

I, _____, S/o _____
hereby declare that:

- 01. All the information furnished above is true and in the unlikely event of any information being proved otherwise, I accept the full responsibility for the wrong/ false statement or suppression of material information, if any and accept the legal, financial and other consequences for all my acts of omissions and commissions.
- 02. I understand that I am legally bounded to recover and remit PF contribution from and remit Employees contribution in respect of workmen employed by me in the event of applicability of the employees Provident Fund and Miscellaneous Pro-visions Act, 1952 and EPF Scheme, 1952, subject to the exceptions and provisions there under and in the event of failure to do so, I shall be personally liable to have the dues on this account, recovered and remitted to the PF Commissioner of the Enforcement Authority concerned, besides being liable for the penal consequences.
- 03. In the event of any Firm Demand being received by the General Manager or his nominee from the Provident Fund Commissioner or Enforcement Officer for recovery of any sum payable by the Contracting Firm, I hereby authorize the Pay & Accounts Officer, Heavy Water Plant (Manuguru) to deduct the said sum from any amount payable to me or the Contracting Firm against this or any other work order and remit the proceeds to the case may be, without referring the case to me and the amount so recovered, for all purposes, shall be deemed to have been paid to me under valid acquaintance.
- 04. I hereby absolve and indemnify the President of India, represented by the General Manager, Heavy Water Plant (Manuguru) and his nominees against any responsibility whatsoever, on account of any failure on my part to comply with the the provisions of the Act an the scheme and I hereby hold myself responsible for enforcement of the provisions of the Act and the scheme as applicable to the contracting firm in accordance with the statutes, rules, regulations and orders as applicable from time to time.

Signed this on _____ day of _____ 2026
under my hand and seal.

Signature : _____

Name : _____

Seal : _____

In presence of

(Signature of the Witness) :
Name :
Address :

Forwarded to P&AO

Annexure-II

LIST OF WORKS IN HAND

Name of the firm : PAN No. :
EPF code no. : Labour License no. :

| SNo | Name of the Work | Period of contract | | No. of laborers deployed | Authority under which work executed | Work order value | Status of work in progress |
|-----|------------------|--------------------|----|--------------------------|-------------------------------------|------------------|----------------------------|
| | | From | To | | | | |
| | | | | | | | |

I, hereby declare that the information furnished by me is true and correct to the best of my knowledge and in the event of anything proved to be action as deemed fit may be initiated against me, as per rules in vogue from time to time.

Place:

Date:

Signature of the Contractor with seal

Annexure-III

SPECIMEN FORM OF SOLVENCY CERTIFICATE FROM THE SCHEDULED BANK.

This is to certify that to the best of our knowledge and information M/s

of Mr/Ms. _____, having marginally noted address, a customer of our bank, is respectable and can be treated as good for any engagement up to a limit of Rs. _____ (Rupees _____).

This certificate is issued without any guarantee or responsibility on the bank or any of its officers.

(Signature of the Bank representative)

Important Note:

All relevant certificates should be attached with the application.

No column should be left blank.

FORM VI - B

[SEE RULE 81(3)]

Notice of commencement / completion of contract work.

1.0 Name of the principal employer & address : G. Srinivas, General Manager
Heavy Water Plant (Manuguru)

2.0 No. and date of certificate of registration : 3/83 dated 24.06.1983.

3.0 I/We hereby intimate that the contract work

_____ (Name of the work) is given to

M/s _____,

having License No. _____ dated _____ has been

commenced / completed with effect from _____ on _____

Signature of Principal Employer

To

The Inspector.

Safety guidelines to be followed by contractor's personnel at Heavy Water Plant (M)

INTRODUCTION

Heavy water Plant (Manuguru) is a chemical industry for the production heavy water. The plant mainly utilizes hydrogen sulphide gas and water for the production of heavy water. Certain chemicals like sodium sulphide, sodium sulphate, hydrochloric acid and sodium hydroxide etc are also used in bulk in the plant for running auxiliary systems.

Special care is given for the safe guards of working personnel, since hydrogen sulphide gas is highly toxic in nature and plant utilizes a very large quantity of this gas. Adequate supervision will be given for the safety of the person working in the plant.

Brief information is given in the following pages as guidelines for the working personnel of all levels. They are also expected to follow safety instructions given to them by plant authorities at the time of starting a fresh work and during the commencement of the work.

CHAPTER-1

Nature of Hydrogen Sulphide (H₂S) Gas

- H₂S is a colourless gas.
- It is heavier than air, therefore, it has a tendency to settle down in low-lying areas like ditches, pits etc.
- It is flammable. Its mixture in air (4.3% to 46%) can cause fire & explosion in presence of a flame or even a spark.
- It is soluble in water
- At lower concentration, it gives the smell of rotten eggs.
- At higher concentration (100 ppm & above) the sense of smell is lost, hence the presence of H₂S gas cannot be judged with the sense to smell.
- The gas is toxic in nature. It mainly affects our respiratory system. A person can work safely 8 hours in a gaseous atmosphere upto 10 ppm. At higher concentration the respiratory failure occurs and person may fall down unconscious. Prolonged exposure to higher concentration may also cause death.

SAFE WORKING PROCEDURE

- Always work in pairs in the areas of suspected H₂S gaseous atmosphere. One person alone should not be left to work in such places.
- Always carry lead acetate paper. This paper turns brown to black depending upon the concentration of H₂S and exposure period. Immediate colour change indicates presence of objectionable concentration of H₂S gas. Vacate the area immediately in case you don't have a BA set in such situations.
- Carry self-contained breathing air set with you. The BA set must be used for respiratory protection against H₂S gas. You must breath through BA set incase H₂S gas is present in atmosphere in concentration above 10 ppm or less whenever you have any suspicion of

presence of H₂S gas in the surrounding areas. The following pre-checks must always be made prior to making use of a self contained BA set.

- Check for the pressure of Air Cylinder of your BA set. It must be full.
- Check for leak tight fitting of the facemask of BA set. With your face with a leak tight mask on, you will have a feeling of discomfort due to non-availability of air, if you have blocked air passageway of your BA set. This can be achieved by closing cylinder valve or by squeezing air tube depending upon the type of BA set. The air supply should be return to normal after test performance is over and facemask must be further adjusted in case it is found to be leaking. Defective facemask will not fit leak tight. Such sets must not be taken and information in this regard must be given to the issuing person.
- Check for the soundness of all components of a BA set. A set with broken or defective components must not be taken for use.
- Smoking is strictly prohibited in the plant area. Do not carry any device capable of producing flame or even spark.
- In case of a person exposed to H₂S, remove him from the area, with your BA set on and inform central control room for rescue through field telephone. Never try to save person without wearing your own mask; otherwise you will also be exposed to H₂S gas. Medical oxygen gas must be administered immediately to such persons who are exposed to H₂S gas. Cardiac massage should be given in case heart has stopped functioning.

Chapter – 2

Plant emergency

Emergency situation at plant site can arise due to the following situations:

1. Due to the uncontrolled release of H₂S gas.
2. Due to other reasons like big fire etc.

The emergency will be declared by siren giving typical wailing sound (15 seconds “ON”, 15 seconds “OFF”) for 2 minutes. It will also be announced on PA system.

All contractors’ personnel shall rush to Main gate. Further course of action will be taken by plant authorities depending upon the situation. Never try to hide inside the plant. When the emergency situation is over a long continuous siren will be given. Also the information will be given on PA system stating that you can return back to your work place.

Chapter – 3

Injury to Working Personnel

In case of injury to a working person due to accident the following actions will be taken:

- If a person is exposed to H₂S, act as per guidelines in point 5 of “Safe Working Procedure” of chapter-I. Act promptly in order to save a person.
- If a person has received injury, call for rescue team from Central Control Room through field telephone. Carry injured to First Aid Centre for treatment.
- If a person has come in contact with some chemical, take him to safety shower for thorough washing for 10 minutes. Take him to First Aid Centre later on.
- Inform Safety Superintendent. & concerned engineer immediately, regarding accident inside the plant area.

- The spot of accident must be left as it was, for inspection & investigation purpose. But all emergency actions to control further damage or injuries must be promptly done.
- All injury cases, small or big must be sent to First Aid Centre.

Chapter –4

Hazards:

Person may come across with the following hazards while working in the plant:

1) H₂S gas: It is toxic gas. Dangerous to life in case exposed to high concentration. Use BA set for respiratory protection. Follow safe working procedure as described in Chapter –1

2) Fire: This can cause due to the following agencies:

- H₂S gas
- Pyrophoric material present in the system
- Electrical fault
- Hot work etc.

Take full precautions as per directives from concerned engineer / Safety Superintendent. / The Chief Fire Officer while doing hot jobs .Any fire incident must be immediately reported to Fire Station (Telephone Nos 4444/4466). Control fire with the aid of fire Extinguishers till fire crew arrives. Help fire crew in the fire fighting.

Smoking or carrying any device capable of producing flame or spark is strictly prohibited inside the plant.

3) **Electrical Hazard:** The following dangers are associated with the electrical hazard:

- Electrical shock due to contact of body with the live circuit.
- Fire due to generation of spark or arc from live circuits and also from spattered molten metal.
- Injury to eyes due to heavy arcs.

As a safe guard the following instructions must be followed:

- Only qualified and authorized electrician will make connections.
- Only approved fittings will be used for electrical use.
- Cable / Wires of portable equipment etc shall be hung overhead in a safe manner so that insulation cannot be damaged by heavy articles or persons walking on them.
- All electrical equipments shall be properly earthed.
- Electrical lamps to be used inside the vessels shall be flame-proof type and will not exceed 24 volts DC.
- Follow instructions of electrical engineers and safety officer.

4) **Mechanical hazards:** This includes various types of tools and tackles and other mechanical systems, wrong use of which can always result into severe injuries. Persons engaged in various mechanical jobs are expected to know correct use of the mechanical gadget, which they are handling.

5) **Chemicals :**

Direct contact with chemicals like Sulphuric acid, hydrochloric acid, sodium sulphate and caustic soda etc. causes injury to the body, whereas vapors of these chemicals are corrosive to body and eyes. Such vapour also affects our respiratory system.

Use acid and alkali proof safety application like face-shields, PVC, rubber, hand-gloves apron & gumboots etc. for safeguard against contact with corrosive chemicals. Airline respirators must be used for respiratory protection.

6) Asphyxiating Atmosphere:

Nitrogen as an inert gas is used for flushing piping & equipments. The nitrogen gas after flushing is replaced by atmospheric air. However, dead pockets in the system may still contain nitrogen gas. Working in such places can result into asphyxiation of persons engaged in the work, although chances of such happenings are remote, because pre checks of all such places will be made with respect to presence of oxygen. All cases of asphyxiation require prompt artificial respiration (call Rescue team from Central Control Room). Take the person to First-Aid Centre.

Chapter-5 **General Safety Rules:**

1. Keep your identity card with you all the time during your stay at plant site.
2. You should not wear loose or very tight garments while at work nor should come without shoes to the plant site.
3. Do not keep beard, since facemask of BA SET cannot be worn leak tight to a person who is keeping beard.
4. Your incoming & out going timings must be properly recorded.
5. You must remain at your work place only & should not move elsewhere especially to unknown place. However, canteen or any other designated place can be utilized for tea & lunch breaks.
6. You must move in pairs at your work place. Single person should not be left to a work place or any other isolated place.
7. Smoking is strictly prohibited inside the plant area. Nobody shall carry matchboxes, lighter or any other device capable of producing spark or flame. However, canteen or any other designated place can be utilized for smoking purpose.
8. Always carry lead acetate paper with you, irrespective of whether you are working in H₂S gas suspected area or not. In case of release of H₂S run at right angle to wind direction or up wind side, so that you will not breath too much of H₂S. Wind direction can be made known with the help of local windsocks.
9. Make use of BA set in H₂S gas suspected areas.
10. Rush towards emergency shelter in case of emergency declaration at plant site.
(Main Gate for contractor personnel)
11. Use proper personal protective appliances as and when required.
12. Piping should not be used as support for lifting or resting heavy objects nor to be used for making bhada. Supports for such purposes can be taken at selected places on structures.
13. Take care not to damage any instrument, machinery or insulation & protective painting of piping & different equipment and vessels.
14. You must have a Safety Work Permit or Work Permit for the job, which you are taking up. Follow all instructions of the permit.
15. Do as per approved procedures for completing assigned work. Do not adopt short cuts for completing a job quickly.
16. Consult concerned engineer in case of doubt. Also consult safety officer in case of safety related problems rather than taking your own decisions.

UNDER TAKING FOR BIDDERS

Tender No.: HWPM/PP/Dissolution & Bagging/2026

Name of the work: Removal of Honey Bee Combs from Hazardous units and non Hazardous areas pertaining to Main Plant

I / We, S/o

Proprietor / Partner of M/s

resident of has

read all the following tender documents, thoroughly and consciously

- Notice inviting Tender
- Technical Specifications and contract conditions Part-I
- General Conditions of Contract (Part-II)
- Schedule of quantity sheet (Part-III)
- Safety guidelines to contractors at HWP (M)
- Format of solvency certificate
- GCC (Can be viewed at CPWD web site – GCC-2014 / latest and agree for all the tender terms & conditions and quoted accordingly.)
- Annexure-XI
- Annexure-XII

Here by, abide to obey all the rules & regulations in vogue at HWP (M) during execution of work, failing which HWP (M) authorities can initiate necessary action as deemed fit as per tender terms & conditions.

Place:

Date:

(Signature of bidder with seal)

NOTE:1. The bidder must furnish the duly signed and stamped copy of this form during uploading of their bid as a token of acceptance of our tender terms & conditions failing which the tender will be ignored. Original shall reach the office of DGM (P), HWP (M) along with the Bid security form prior to opening of technical bid i.e., **on or before 14:00 Hrs of 27.05.2026.**

2. Bidder must upload the duly signed & stamped copy of Memorandum sheets (2 pages) and the original copy shall be forwarded to DGM (P), HWP (M) shall reach on or before 18:00 Hrs of 26.05.2026.

HWPM/PP/Dissolution& Bagging/2026

3. It may please be noted that, the successful bidder must submit the entire set of tender documents duly signed and stamped on each page along with the quoted schedule of quantity (Uploaded on web page) as a procedural/administrative requirement.

Annexure-XI

Self-Certification under Preference to “MAKE IN INDIA” order Certificate

In line with Government Public Procurement Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 issued by Ministry of Commerce and Industry and subsequent amendment of the order dated 16th September 2020, we hereby certify that we

M/s _____ (supplier name) are local supplier meeting the requirement of minimum local content (i.e. amount of value addition) _____% as defined in above orders for the item/s against Enquiry/Tender

No. _____.

Details of location at which local value addition will be made for the item/s are as follows:

ADDRESS:___

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rule for which for which a bidder or its successors can be debarred for up two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Signature of the vendor with stamp

ANNEXURE-XII

Annexure to Bid Form: Eligibility Declarations

(To be submitted as part of tender/Technical Bid)

(on company letter head)

(Along with supporting documents, if any)

Tender Document No./GeM Bid No. GEM/_____

Tender Title: Works

Bidder's Name: _____

(Address and contact details)

Bidder's Reference No. _____

Date: _____

Restrictions on procurement from Bidders from a country or countries, or a class of countries under Rule 144(xi) of the General Financial Rules 2017.

"We have read the clause regarding restrictions on procurement from a Bidder of a country which shares a land border with India; and solemnly certify that we are not from such a country or, if from such a country, we are registered with the Competent Authority (copy enclosed). We hereby certify that we fulfill all requirements in this regard and are eligible to be considered."

Penalties for false or misleading declarations:

We hereby confirm that the particulars given above are factually correct and nothing is concealed and also undertake to advise any future changes to the above details. We understood that any wrong or misleading self-declaration by us would be violation of Code of integrity and would attract penalties as mentioned in this tender document, including debarment.

(Signature with date)

Name and designation)

Duly authorized to sign Bid for and on behalf of

(Name & address of the Bidder and Seal of Company)

Checklist is indicative and is given for ready reference of bidder. However, Bidder is solely responsible to submit the Bid alongwith all related documents as per GeM Bid document.