



**TENDER FOR PROCUREMENT OF FIRE WATER TENDER
WITH BUY BACK**

***GUJARAT INDUSTRIES POWER COMPANY LIMITED
AT PO PETROCHEMICALS, DIST. VADODARA-
391346(GUJARAT)
Phone Nos.: (0265) 2234252, 2234257***

**TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY
BACK**

**Bid No.: GIPCL/MATLS/FIRE WATER
TENDER/2017-18**



INSTRUCTIONS TO BIDDERS & CONDITIONS OF CONTRACT



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

Tender enquiry comprises of followings annexure:

1)	NOTICE INVITING TENDER	
2)	INSTRUCTION TO BIDDER	SECTION-A
3)	INSTRUCTION TO BIDDER FOR ONLINE TENDERING	SECTION-B
4)	GENERAL CONDITIONS OF CONTRACT	SECTION-C
5)	TECHNICAL SPECIFICATION	SECTION-D
6)	TECHNICAL DETAILS OF CHASSIS OFFERED	SECTION-D1
7)	TECHNICAL FORMAT	SECTION-E
8)	FORMATE OF BANK GURANTEE FOR EMD	SECTION-F
9)	FORMATE FOR PERFORMANCE BANK GAURANTEE	SECTION-G
10)	DEVIATION SHEET	SECTION-H
11)	VENDOR DETAILS	SECTION-I
12)	TECHNICAL SPECIFICATION OF BHARTBENZ 1617R 4x2	SECTION-J



**TENDER FOR PROCUREMENT OF FIRE WATER TENDER
WITH BUY BACK**

**NOTICE INVITING TENDER (NIT)
TENDER NO.: GIPCL/MATLS/Fire Water Tender
(2017-18)**

Name of work	Procurement of fire water tender with buy back
Place of Supply	GUJARAT INDUSTRIES POWER CO. LTD, Surat Lignite Power Plant (SLPP) At & Post: Nani Naroli Taluka: Mangrol Dist: Surat pin: 394 110 (Gujarat)
EMD	Rs. 55000/- (Rs. Fifty Five Thousand only) as per clause No.04 of Section A.
PBG	10% of Order Value (excluding Taxes & Duties, Freight, P&F Charges etc.) Valid for one year from any Schedule Public Sector Bank or Schedule Private Sector Bank in favor of Gujarat Industries Power Company Ltd as per Clause No.01 of Section C, GCC.
Cost of tender document / tender fee	NIL
Availability of online Tender document	Tender will be available on (n) Procure from 25.01.2018
Last date of online submission of offer	15/02/2018, 17:30 hrs. on (n) Procure
Submission of EMD and other supporting documents for technical Bid in physical form	On or before 15/02/2018 at 17:30 hrs. at office of GIPCL, P.O. Petrochemical – 391346 Dist.: Vadodara, Gujarat – India



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

NOTES:

1. Amendment / corrigendum of the tender document, forms, schedules, etc... may be done any time by the GIPCL during the period of publication of Tender in the website. The Bidders are required to visit the website regularly till the last date & time of Bid submission.
2. GIPCL reserves the right to reject any or all the tenders without assigning any reason thereof.
3. The Bidders are required to quote the rate strictly as per the terms and conditions mentioned in the tender document, adhering to technical specifications as well.
4. The Bidders are required to submit their Bids online through the website www.nprocure.com.
5. The EMD & other supporting documents are to be submitted in physical form only at the following address:-

**Dy. General Manager (Materials & Contracts)
Gujarat Industries Power Company Limited,
P.O. Petrochemical – 391346
Dist.: Vadodara.**



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

SECTION-A **INSTRUCTIONS TO BIDDERS**

1. PLANT SYNOPSIS

Gujarat Industries Power Company Limited (GIPCL) (henceforth be named Company/GIPCL), is a Premier Power Utility in the State of Gujarat with an installed capacity of 1009.4 MW comprising of 310 MW Gas based Station at Vadodara, 4x125 MW Lignite based Power Plant at Village : Nani Naroli, Tal. Mangrol, Dist. Surat 394 110, Gujarat ("SLPP"), 5 MW PV based Solar Power Plant at SLPP and 1 MW each at Village Amrol and Vastan. GIPCL has also commissioned 112.4 MW wind power in District Amreli & Nakhatrana Gujarat and 80MW PV based Solar Power Plant at Charanka Solar Park, Gujarat

GIPCL Vadodara Station is located at village Dhanora, Dist. Vadodara; Gujarat has two units St # 1 of 145 MW (32x3 + 49x1) & St # 2 of 165MW (111x1 + 54x1) capacity each. The plant is based on combined cycle technology using Natural Gas/R-LNG as a fuel. Stations are operated either at part load or at base load depending on the Grid demand.

Surat Lignite Power Plant (SLPP) with four units of 125 MW capacity each is located at Village: Nani Naroli, Taluka: Mangrol, District: Surat in Gujarat. GIPCL has also operating its own captive Lignite and Lime Stone Mines close to the Power Plant. The Power Plant is based on Circulating Fluidized Bed Combustion (CFBC) technology for the Boilers, where Lignite is burnt along with Lime Stone in the Combustor of the Boiler.

Surat Lignite Power Plant (SLPP) is accessible by road from Kim and Kosamba, which are on Mumbai-Ahmadabad highway. From Kosamba, SLPP is around 32 KM, out of which 27 KM is part of the National & State Highway and balance 5 KM is District Road. From Kim, SLPP is around 18 KM, out of which 13 KM is the State Highway and balance 5 KM is District Road. The nearest Broad Gauge Railway Line is at Kim, which is around 21 KM from the SLPP. Surat is approximately 50 KM from the SLPP.

2. SCOPE OF SUPPLY:

The scope of agency shall be as follows:-

1. Purchasing of Chassis as per specification specified in section-D.
2. Fabrication of Water Tender as per approved specification with required accessories and equipments in Section-D.
3. Buy Back of existing Water Tender.

Detail Scope of Supply comprises of procurement of chassis and fabrication of Advanced Water Fire Tender as specified in SECTION-D.

Also, Contractor shall take away the buyback material within 10 days after delivery of new Fire Water Tender. Necessary arrangement for the transportation is to be made by bidder only. Bidder may visit the site to evaluate & supervise the condition of existing fire tender for buy back.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

3. GENERAL INSTRUCTIONS

- 3.1 The Bidders who are interested in participating in the tender must read and comply with the instructions and the Terms & Conditions contained in the tender documents.
- 3.2 The Bids shall be filled in by the Bidders clearly, neatly and accurately. Any alteration, erasures or overwriting shall be liable to make the tender invalid unless the same is neatly carried out and attested over the full signature of Bidder. The decision of the Company to interpret the information and rates filled in by the Bidder shall be final and binding on the Bidder.
- 3.3 The Bidders are requested to make themselves fully conversant with the General Conditions of Contract, Technical Specifications, etc. before submitting their bids so that no ambiguity arises in these respects subsequent to submission of the Bids.
- 3.4 Bidder has to submit all the information as per required Bid document. Failure to furnish all the information as per required Bid documents shall be rejected.
- 3.5 The Bids shall be submitted within the time frames set out in the Notice Inviting Tender ('NIT') and Bids submitted thereafter shall not be accepted and considered.
- 3.6 The tender documents shall not be transferable.
- 3.7 The Bidders are expected to examine all instructions, forms, terms & specifications in the Bid documents and to get fully acquainted themselves with all the conditions and matters which may affect the subject matter of the tender or the cost thereof. If any Bidder finds any discrepancies or omissions in the specifications and documents or any doubt in true meaning or interpretation of any part, he shall seek necessary clarifications in writing if required prior to due date of tender.
- 3.8 Conditional offers shall not be considered and liable to be rejected.
- 3.9 The Company reserves the right to extend the deadlines for submission of the Bids by giving amendments.
- 3.10 During evaluation of Bids the Company may, at its discretion ask the Bidder (s) for clarification of their Bid. The request for clarification and the response shall be in writing and no change in prices or substance of the Bid shall be sought, offered or permitted.
- 3.11 The Company reserves the right to amend/ modify the Bidding documents at any time prior to the deadline for submission of Bids, either at its own discretion or in response to the clarification requested by a prospective Bidder. In such case, the Company may in its discretion extend the deadline for submission of Bids in order to facilitate the prospective Bidders for incorporating the effect of the amendment in their Bids.
- 3.12 The Company reserves the right to qualify/disqualify any applicant without assigning any reason.
- 3.13 The Bidder shall be disqualified if any untrue statement or misrepresentation is made in the Bid forms, attachments and other supporting documents submitted by the Bidder.
- 3.14 The Bidders shall bear all costs and expenses associated with the preparation and submission of their respective Bids, to attend meetings or conferences, if any, including any pre award discussion with the successful Bidder, technical and other presentations etc. and the Company shall not be liable for any expense thereof.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

4. Earnest Money Deposit (EMD)

Bidder has to submit an EMD of Rs. 55,000 /- (Rupees Fifty Five Thousand only) along with tender. The EMD shall be in the form of either –

- a) A crossed bank Demand Draft in favour of Gujarat Industries Power Co. Ltd. payable at Vadodara.

OR

- b) An irrevocable Bank Guarantee drawn on any Nationalized Bank including public sector bank, ICICI Bank, HDFC Bank, IDBI, KALUPUR Commercial Co-operative Bank, Kotak Mahindra Bank, Yes Bank, Ratnakar Bank, IndusInd Bank, Karur Vysya Bank, DCB bank, ING Vyasya Bank, Rajkot Nagrik Sahakari Bank Ltd, The Ahmedabad Mercantile Co-operative Bank Ltd, The Mehsana Urban Co-operative bank Ltd or Nutan Nagrik Sahakari bank Ltd in favour of Gujarat Industries Power Company Ltd. Proforma of BG is enclosed herewith as Section-F.

- c) In case EMD is paid in the form of BG, it should be valid for 180 days from the due date of submission of offer. The EMD of the unsuccessful bidders will be returned to them after the award of the work order to the successful bidder. Any bid not accompanied with EMD will be rejected. In case, any Bidder withdraws the bid within the validity period, the EMD of the bidder will be forfeited.

- d) No interest shall be payable on EMD.

- e) EMD of successful bidder shall be converted to Security deposit and it shall be returned only after acceptance of fire tender at site.

5. ELIGIBILITY CRITERIA

5.1 As delivery period is the essence of the tender, bidder should accept the delivery period mentioned in the Tender. Otherwise, offer will not be considered.

5.2 All the tender documents shall be submitted with sign and stamp on each & every page.

5.3 Other Documents which are to be submitted i.e.

5.3.1 General Drawing of Fire Tender.

5.3.2 Engineering drawing on AERODYNAMICALLY designed cabin with pictures & details.

5.3.3 Load Distribution Chart

5.3.4 General Layout of the equipment when mounted on the chassis.

5.3.5 Drawing of the Water Tank.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

- 5.3.6 Drawing of MS 4" Anti Corrosive Treated sub frame and fully imported Metacone Mounting.**
- 5.3.7 Layout Sketch of piping & wiring**
- 5.3.8 Performance curve of Centrifugal Pump**
- 5.3.9 Drawing of Engine To PTO to Pump Connection**
- 5.3.10 Drawing of Superstructure Mounting.**
- 5.4 Technical detail of chassis offered duly filled in Section D1. As well as Technical Catalogue of the chassis offered shall be enclosed along with technical bid.
- 5.5 Bidder shall be a manufacturer of Fire Tender.
- 5.6 Bidder should have minimum 3 years experience in manufacturing of fire tenders of various types and should have supplied minimum 5 fire tenders in last 3 years.
- 5.7 Minimum turn over should be 500 lacs in last three financial years i.e 2016-17, 2015-16, 2014-15.
- 5.8 Net worth of the Bidder should be (+)ve for last three financial years i.e 2016-17, 2015-16, 2014-15.
- 5.9 Bidder should submit documentary evidence clearly indicating organization structure whether the firm is proprietary / partnership / private limited / public limited etc
- 5.10 Copy of GST along with dully filled Section-I.
- 5.11 Technical Detail of fabrication of Water Fire Tender along with accessories & equipment offered.

Attested copies of relevant documents asked shall be submitted with duly signed & seal on each & every page of it. The all documents will be analyzed and after satisfaction, Price Bid will be open. GIPCL may verify the documents, certificates issued by concern authority. After opening of technical Bid, if any required attested documents found missing in the Technical Bid submitted by the Bidder, the tender inviting authority may inform to that Bidder only once by E-mail to submit the missing required documents within stipulated time limit. If Bidder/Bidders fail to submit within stipulated time, their Bid will be declared technically disqualified and no further correspondence will be entertained.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

The Bidder shall submit all the documents and evidences etc as a proof with EMD and also provide the requisite details online for meeting the prequalification requirements. GIPCL will verify the experience, performance, capability & strength of Bidders, independently for executing the job. GIPCL may visit the site & consult the owner of the industry/property where similar job is executed by the Bidder. GIPCL reserves the right to accept/cancel/reject any/all Bids without assigning any reason thereof. The tenders of qualified Bidder/Bidders shall only be considered for further evaluation.

6. LANGUAGE OF BID

The Bid prepared by the Bidder, and all correspondence and documents relating to the Bid exchanged by the Bidder and the Company, shall be written in the English language. Any printed literature furnished by the Bidder, written in another language shall be accompanied by an English translation for the purpose of interpretation of the Bid.

7. SCHEDULE OF EMD & TENDER FEES

EMD and all the documents asked in the tender (except price bid) shall be submitted with dully signed and stamp in physical on or before due date.	Address for Submission: Dy.General Manager (Materials & Contracts) Gujarat Industries Power Company Ltd P.O. Petrochemical – 391346 Dist.: Vadodara, Gujarat - India
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8. SUBMISSION OF BIDS

A: MODE OF SUBMISSION

The Bids shall be submitted in two parts along with EMD within dates specified in NIT as under:-

- (a) Pre-qualification and Techno-commercial Bid without price.
- (b) Price Bid.

a) Pre-Qualification and Techno-commercial Bid without price:

The following Documents shall also be submitted along with EMD in Physical Form to GIPCL-Vadodara.

- 1. The Tender Documents of (Section-A to Section-J) duly signed in all pages without price bid along with techno-commercial deviations, if any shall accompany



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

the bid. If you don't have deviations then write "NIL" in the deviation sheet and then submit with sign & stamp.

2. EMD in the form of DD/BG.
3. **Proof of minimum eligibility criteria as per clause no- 5 of Section-A**

b) Price Bid:

Price Bid of fire water tender and existing buy back shall be submitted only in soft form through **(n) Procure Only**.

9. EVALUATION & COMPARISON OF BIDS

- 9.1 GIPCL shall evaluate the Bids received and accepted by it to ascertain the overall lowest/item wise lowest evaluated Bid in conformity with the specifications of the tender documents at his sole discretion.
- 9.2 The Technical Bids will be examined for minor matters regarding qualification of bids. Subsequent to correspondence with the respective bidders, the decision of GIPCL will be final.
- 9.3 All responses to requests for clarifications shall be in writing and shall be presented to the Company through e-mail or in a sealed envelope on or before the given date requested by the Company. If the Technical clarifications sought by the Company do not reach the Company on or before due date, the Bid will be rejected.
- 9.4 The commercial deviation, if any, shall be loaded to bring all the Bids at par. The loading shall be carried out at an interest rate of 2% above PLR of SBI.
- 9.5 A Bid to be substantially responsive shall be one which on evaluation confirms to all the terms, conditions and specifications of the Bid documents without any material deviation or reservation.
- 9.6 For the above referred purpose, a 'material deviation' shall be one which:
 - (a) Which affects in any substantial way the scope, quality or performance of the contract, or
 - (b) Which limits in any substantial way and in a manner inconsistent with the Bid documents, GIPCL's right or the Bidder's obligations, under the contract, or
 - (c) Whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

10. METHOD OF TENDERING/SIGNATURE ON BIDS

- (i) The Bid must contain the postal address like name, residence and place of business of the person or persons submitting the Bid and must be signed and sealed by the Bidder with his usual signature. The name of all persons signing the documents shall also be typed or printed below the signature on each page.
- (ii) The Bidder's name stated on the proposal shall be the exact legal name of the firm.
- (iii) Erasures or other changes in the Bid Documents shall be initialed by the person signing the Bid.

11. MODIFICATION AND WITHDRAWAL OF BIDS

- a. The Bidder may modify or withdraw the bid prior to the deadline prescribed for submission of bids.
- b. No Bid shall be modified subsequent to the deadline for submission of Bids.
- c. No Bid shall be withdrawn in the interval between the deadline for submission of Bids



**TENDER FOR PROCUREMENT OF FIRE WATER TENDER
WITH BUY BACK**
and the expiration of the period of bid validity.

12. POLICY FOR BIDS UNDER CONSIDERATION

- a. Bid shall be deemed to be under consideration immediately after opening of the bid and till official intimation of award/rejection made by the Company to the Bidders.
- b. While the Bids are under consideration, Bidders and / or their representative or other interested parties are advised to refrain from contacting by any means, the Company. The Engineer, if necessary, will obtain clarifications on the Bids by requesting for such information from any or all the Bidders, in writing as may be necessary. The Bidder will not be permitted to change the price or substance of the bid after the Bid has been opened.

13. EFFECT AND VALIDITY OF THE BID

- a. The Bid should be kept valid for acceptance for a period of one hundred and eighty (180) calendar days from the last date of submission of Bids.
- b. The submission of any Bid along with the required documents and specifications shall constitute an agreement that the Bidder shall have no cause of action or claim, against the Company for rejection of his Bid. The Company shall always be at liberty to reject or accept any Bid or Bids at his sole discretion and any action will not be called into question and the Bidder shall have no claim in that regard against the GIPCL.

14. PRELIMINARY EXAMINATION OF BIDS

13.1 The Company will examine the Bids for any computational errors, for sureties furnished by bidder, for authentication of documents submitted and completeness of the Bids.

13.2 Arithmetical errors will be rectified on the following basis:

(a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price will be corrected & will be binding to the bidders

(b) If there is a discrepancy between the Total Bid Amount and the sum of total prices, the sum of total prices shall prevail and the Total Bid Amount will be corrected & will be binding to the bidders.

14. RIGHT OF REJECTION OF TENDERS

14.1 GIPCL reserves the right to accept or reject any Bid or to cancel the Bidding process and reject all Bids at any time prior to award of contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders regarding the same.

14.2 Any Tender without EMD will be treated as non responsive and shall be rejected at the outset & no further correspondence shall be entertained regarding this.

14.3 GIPCL reserves the right to debar any Bidder from participation in future Bids if such Bidder has quoted an abnormally low rate in the Bid document/price Bid.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

15. AWARD OF CONTRACT

- 15.1 GIPCL will award the contract to that bidder whose quotation has been determined to be substantially responsive and evaluated as the overall lowest quotation/item wise lowest quotation in conformity with the requirements of the specifications and documents contained herein, provided further that the bidder is determined and evaluated to be qualified to perform the contract satisfactorily at sole discretion of GIPCL
- 15.2 The successful bidder shall be intimated of his selection through the Letter of Intent or Letter of Award/ Purchase Order which shall be sent to him through e-mail, courier, fax or registered mail.
- 15.3 GIPCL reserves the right to cancel/short close the contract during the contract period without assigning any reason.

17. ASSIGNMENT AND SUB-LETTING

The Supplier shall not directly or indirectly assign or sub-let total/any part of the contract to any other party or agency.

18. CLARIFICATION OF BIDDING DOCUMENTS

If any Bidder requires any further information or clarification in the Bidding Documents, may notify the Company before one week of last date of submission of online Bid, in writing or by E-mail at the GIPCL's mailing address bcshah@gipcl.com as indicated in the 'Invitation to Bids'. The GIPCL's response (including an explanation of the query) will be sent in writing or by E-mail to all prospective Bidders who have received the Bidding Documents.

19. UNDERSTANDING AND CLARIFICATION ON DOCUMENTS AND SPECIFICATION

The Bidder is required to carefully examine the specifications and documents, all the conditions and matters work wise & cost wise. If any Bidder finds any discrepancies or omissions in the specifications and documents or is in doubt for any meaning of any part, he shall request in writing for an interpretation/ clarification to the GIPCL.

All such interpretations and clarifications shall form a part of the Bid documents.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

SECTION-B

INSTRUCTIONS TO BIDDERS FOR ONLINE TENDERING

Sr. No	Description
01.	Tender documents are available only in electronic format which Bidders can download from the website https://www.nprocure.com and https://gipcl.nprocure.com and It can also be viewed from Company's website www.gipcl.com .
02.	Price bid should be submitted online through the website https://gipcl.nprocure.com only. No physical submission of price bid will be entertained as it should be furnished on-line only.
03.	Bidders who wish to participate in online tenders will have to procure / should have legally valid Digital Certificate (Class III) as per Information Technology Act-2000, using which they can sign their electronic bids. Bidders can procure the same from any of the license certifying Authority of India or can contact (n)code solutions- a division of GNFC Limited, who are licensed Certifying Authority by Government of India
04.	All bids should be digitally signed. The bidders are required to contact at the below mentioned address for detailed training on on-line tendering and also for requirement. (n) Code Solutions - A division of GNFC Ltd. 403, GNFC Infotower, S.G Road, Bodakdev, Ahmedabad – 380054 (Gujarat, India) Toll Free: 1-800-419-4632/1-800-233-1010, Tel: 079-26857315/316/317 E-mail: nprocure@gnvfc.net , website: www.nprocure.com

Interested bidders are requested to submit the online tender at least two days in advance from the due date set for on line submission of bid in order to avoid non participation.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

SECTION-C

GENERAL CONDITIONS OF CONTRACT

1) CONTRACT SECURITY DEPOSIT/ PERFORMANCE BANK GUARANTEE

As a Contract Security, the successful Bidder, to whom the work is awarded, shall be required to furnish a Performance Bank Guarantee (PBG)/Contract security deposit in favor of Gujarat Industries Power Company Limited for guarantee amount at 10% of the Purchase Order Value (excluding Taxes & Duties, Freight, P&F Charges etc.) valid for 12 months from date of receipt of materials at GIPCL-SLPP from any Schedule Public Sector Bank or Schedule Private Sector Bank in the format attached in SECTION-G, and it shall guarantee the faithful performance of the 'Contract' in accordance with the terms and conditions specified in these documents and specifications. Contract security deposit shall be submitted within a week (i.e. 7 days) from the date of receipt of material, whichever is earlier.

The Performance Bank Guarantee will be returned to the Supplier without any interest after successful completion of guarantee period and on fulfilling contractual obligations throughout the period. However, any delay in submission of initial SD will result in equivalent late release of entire SD after guarantee period.

2) PRICE AND QUANTITY

Price quoted by the bidder should be firm and no price increase will be allowed to the supplier. The Bidder should quote price on free delivery at GIPCL-SLPP Plant on door delivery basis. Prices will be inclusive of inspection, packing and forwarding, transportation, transit Insurance, Stacking, Loading/unloading and any other charges etc. However applicable GST shall be paid extra at actual.

3) GOODS AND SERVICE TAX

Bidder shall clearly state in their bid whether prices are exclusive of GST/Duties or inclusive of GST/Duties. In absence of any clarification, it will be construed that quoted price are inclusive of sales tax/Duties.

4) INSPECTION

Inspection & Acceptance Test shall be done on stage wise basis as per Section-D.

5) DELIVERY

Bidder should supply fire water tender within 03 months time from the date of receipt of LOI/Purchase Order from GIPCL failing which penalty @ 0.5% per week per order value/item value (excluding T&D) shall be levied by GIPCL for late supply maximum up to 10% of items value under order.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

Also any cost, charges or expenses which GIPCL may have paid for which, under the contract, you are liable, will be claimed by GIPCL. All such claims shall be debited/recovered from your bill/amount due.

Material should be directly delivered to GIPCL-SLPP from your works after Inspection & Acceptance test.

Delivery is the essence of the contract and if the delivery is not made as stipulated, GIPCL shall be at liberty to procure the material at Bidder's risk and cost and if hereby any extra expenditure is involved, the same will be debited to Bidder's account. If GIPCL is unable to procure the material from other source in time and if GIPCL suffers any consequential loss, Bidder will have to bear the same. GIPCL in that case will forfeit Security Deposit paid and can lodge claim against party for damage incurred.

6) PAYMENT TERM

Payment shall be made as per following:

90% payment shall be made within 30 days on acceptance of fire tender and submission of invoice. 10% payment shall be made immediately on submission of PBG.

7) LOSS AND DAMAGES

Any loss or damages and deterioration to the Fire water Tender or part there of in transit shall be at the cost of the suppliers. It shall be at the discretion of the GIPCL to reject the damaged or spoilt Fire water tender or parts thereof, if so noticed.

8) INVOICE

Original invoice should be sent at GIPCL- Baroda and duplicate invoice along with challan should be sent at GIPCL-SLPP Store. (Mention the Purchase Order No., HSN Code, GST in Invoice and challan without fail)

9) APPROVAL

There will be joint inspection at three stages as per specification (page no. 8 of Section-D), by GIPCL Engineer- M&C and AM(Fire). The material supplied will be subject to GIPCL approval And Our decision for acceptance or rejection will be final and binding on you.

10) TRANSIT INSURANCE

The goods supplied under the contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery to destination. Insurance is to be provided by the supplier at his cost.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

11) TERMINATION OF CONTRACT BY GIPCL

GIPCL may terminate the contract after due recoveries of pending jobs/damages after giving 15 days advance notice to the Supplier if any of the following events occur –

- i. Supplier is adjudged as insolvent.
- ii. Supplier has abandoned the contract.
- iii. Supplier fails to proceed with the work with due diligence as per requirements of the contract.
- iv. Supplier has neglected or failed persistently to observe or perform any of the acts, matters or things, which as per the contract are to be observed and performed by the Supplier.
- v. Supplier repetitively violating the safety norms for more than three incidents.
- vi. Any major contradiction of applicable labour laws.
- vii. Any major deviations from contractual terms and conditions including quality of job.

12) SETTLEMENT OF DISPUTES

- a. Any disputes or difference of opinion between parties arising out of the contract to the extent possible shall be settled amicably between the parties. If amicable settlement cannot be reached all the disputed issues shall be resolved through arbitration before a Sole Arbitrator appointed by Managing Director, GIPCL according to the provisions of The Arbitration & Conciliation Act, 1996. The place of arbitration shall be at Vadodara or any other place within state of Gujarat as may be mutually agreed by the parties in consultation with the tribunal.
- b. In appointment of the Sole Arbitrator, if the dispute claim is up to a sum of Rs. 25/- Lac, a person having a position equivalent to a Retired District Judge shall be appointed; for the claim higher than Rs. 25/- Lac and up to Rs. 100/- Lac, the same shall be referred to a Retired High Court Judge and for a claim exceeding Rs. 100/- Lac, the same shall be referred to a Retired Supreme Court Judge.
- c. Work under the contract shall be continued by the contractor during arbitration proceedings unless GIPCL shall order suspension thereof or any part thereof in writing or unless the matter in such work cannot possibly be continued unless the decision of the Arbitration proceedings is obtained.

13) INTERPRETATION OF CLAUSE

In case of disputes as regards interpretation of any of the clauses or specification, the decision of GIPCL will be final and binding on the Supplier.

14) FORCE MAJEURE

The performance of the obligations herein contemplated may be suspended without incurring the penalty in the event of the subsistence of Force Majeure conditions.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

If a Force Majeure situation arises, the affected Party shall promptly notify the other Party in writing of such conditions and the performance shall be suspended as per mutual agreement.

For the purposes of this clause, 'Force Majeure' means an event beyond the control of the Party and not foreseeable by the Party and shall include events of floods, explosions, riots, wars, hurricane, epidemics, any other Act of God, quarantine restrictions, terrorism, government actions and provided always that such acts result in the impossibility of the further performance of the contract.

15) INDEMNITY

The Supplier shall indemnify and keep harmless GIPCL from and against all actions, proceedings, claims, demands, losses, costs, damages and expenses whatsoever which may be brought against or suffered by GIPCL which it may sustain, pay or incur as a result of or in connection with the performance/ purported performance/ non-performance of the contract by the Supplier.

In case, in any litigation pertaining to labour employed through Supplier if any direction or order is issued by court at any point of time the Supplier shall comply with and implement such direction or order whether passed at the time of award of contract or during the pendency of contract. Further, the Supplier shall indemnify the GIPCL against all consequences arising and affecting GIPCL owing to the compliance of the orders by the Supplier.

16) GOVERNING LAW AND JURISDICTION

This tender document and contract shall be governed by the laws of India and the Courts at Vadodara shall have jurisdiction regarding the same.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

SECTION-D

TECHNICAL SPECIFICATIONS FOR FABRICATION OF ADVANCE WATER FIRE TENDER

1. SCOPE:

Fabrication of ADVANCE Water Fire Tender on **1617R 4x2, BS IV, Bharat Benz Chassis with payload capacity of minimum 16 tons and Wheel Base should be minimum 5100mm**. The Fire Tender shall be fabricated with the best material and good workmanship, ensuring effective and efficient operation of the Tender. All wiring shall be properly fixed in position & shall be protected against heat, oil & physical damage wherever necessary wiring shall pass through PVC sleeves, all important electrical circuits shall have separate fuses suitably indicated and grouped in a common fuse box located in an easily accessible position. Drag Hook or eye of adequate strength & design shall be provided at the rear and front of chassis.

2. GENERAL REQUIREMENTS:

The Fire Tender shall incorporate a Fire Pump having discharge capacity of at least 3000 LPM @ 7 Kg/cm² & 300 LPM @ 35 Kg/cm² and Pump would be CE marked as per EN 1028 Part -I & Part -II.
A water tank of 8000 Ltrs Capacity made of Mild Steel and Various types of advanced firefighting accessories as per Annexure.

3. WATER TANK:

A Water Tank shall be installed on the Fire Tender. The tanks have the following parameter:

Capacity	8000 Liters
Material of Construction	MS
Bottom Plate Thickness	5mm
Side Plate Thickness (Die Pressed Stiffened on Two Sides)	4mm
Top Plate Thickness	4mm
Baffles Thickness	3mm
Numbers and Size of Manhole	1x450mm
Numbers and Size of (Cleaning Hole (Bottom of Tank)	1x250mm
Drain Pipe on Cleaning hole	25mm
Overflow Pipe Size	100 mm
Tank filling Line Size	80mm
Number of Tank Filling Connections	2x63mm
Tank to Pump Line Size (for pump capacities up to 4000 LPM)	100mm

Design & Plumbing

The water tank shall be mounted on chassis so as to allow full flow of water to pump. The tank shall have baffles plates in transverse and longitudinal direction to avoid surge when the vehicle is braking, accelerating and cornering- All welding area shall be smoothening with the use of grinder.

Tank shall be cleaned and dried before painting. It shall be painted with 3M / CDC make PU base paint from inside & shall be treated with epoxy paint consisting of one coat or primer and two coats of finish after sand blasting for outside.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

Suitable lifting eyes shall be provided on the shell of the tank to enable the tank to be lifted off the vehicle for repair/replacement as necessary. The water tank with all its fitments shall withstand/hydrostatic: pressure of 0.3 bar/kg Sq. cm.

The tank shall be fitted with manhole cum filling orifice of 450 mm dia on the tank and also be fitted with a removable strainer; the manhole should have hinged/threaded cover (Convex type) so that the manhole should also act as a filling orifice. The manhole cover shall be clearly marked "WATER" the main drain cock and pipe shall not less than 63mm dia waterway throughout. The drain pipe shall be taken down to a point well below the chassis without reducing effective ground clearance when fully loaded and shall discharge away from the wheels. The drain pipe of 63 mm in dia is provided with quick action spherical type valve. (BALL VALVE)

A cleaning, hole of 250mmdia shall be provided at the bottom of the tank. The cleaning, hole shall be fitted with a 25mm dia drain pipe with, a valve & plug, connection & shall be taken down to a point well below the chassis without reducing the effective ground clearance.

One overflow of not less than 100mm dia shall be fitted to the tank, The overflow shall take down a point well below the chassis without reducing effective ground clearance when duly loaded and shall discharge away from the wheel, the pipe shall be so designed and located to ensure that water will overflow through the pipe only while refilling the tank, but no water shall overflow through this pipe when the appliance is in motion or is standing on uneven ground and/or brakes are applied to the moving appliance. The complete tank should be painted externally after fabrication.

Two filling pipes (hydrant connection) each with an internal diameter of not less than 63 mm shall be fitted to the tank. Each of these shall be fitted with a 63 mm instantaneous male coupling incorporating a strainer, the inlet of the filling pipe shall be fitted at the pump control panel. The hydrant connection shall be made to prevent pressurization of the water tank while refilling, through the filling pipes Suitable arrangement should be provided to ensure that the water from the tank does not leak through the filling pipes. There shall be a provision to feed reel system.

Suitable arrangement should be provided for self-filling of water tank directly from the pump using a 50mm pipe line i.e. the tank should be connected to the pump through a pipeline lifted with inverted stainless steel strainer and lever operated ball valves.

The plumbing between the water tank and pump shall have a clear and unobstructed water way of not less than 100 mm pipe throughout. The draw off shall be protected by brass wire screen filter.

The plumbing between the pump and hose reel shall have a clear water way of not less than 25mm throughout.

All plumbing shall be reasonably accessible for maintenance purposes. Drain cocks shall be provided where necessary and controls for these shall be readily accessible and so arranged (to as prevent the cocks from being opened by vibration. The direction in which the valve/cock opens/closes shall be clearly marked near each valve/cock.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

The tank shall be connected to the pumps and hose reels and control valves shall be provided in such a way that usual firefighting operations could be easily carried out without any obstruction enters for fitment of delivery hoses or for opening, or closing of valves. All the piping, should be subject to a hydraulic test pressure of 18 kg per sq. cm for a minimum 30 minutes

All piping with flanged of Galvanized & internals bolts and nuts of the tank should be of SS 304.

The Delivery Outlets provided at the pump, their workmanship especially of female coupling, Quick Release Valve, Spindle and wheel type control valve, in relation to the material, quality, thickness, diameter would be approved standard, all made of gun metals and wheel valve of brass.

The tank shall have the following connections to facilitate the operation:

- # Hydrant - Tank
- # Hydrant - Monitor (Separate)
- # Tank - pump - HP hose reel
- # Pump – cooling tank
- # Tank - Pump - Monitor (Water)
- #Tank - Pump – Deliveries

TUBE LEVEL INDICATORS:

Water tube type Level Indicators indicating the levels as empty, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, and full shall also be provided on the pump control panel. The level indicators shall be suitable for any shapes of tanks. This will help the crew members to check fluid level.

TANK MOUNTINGS (SUBFRAME & METACONE SYSTEM):

The water tank shall be mounted on the vehicle on a sub frame. This sub frame shall be made from Hot Dip Galvanized MS 4" section and shall be bolted with the chassis using, the high tensile bolts. No bolts shall be used on the vehicle. The tank shall be mounted on the vehicle using, metacone mountings.

Tank shall be mounted on the chassis in a manner keeping in view the proper load distribution on the axles. The tank shall be suitably baffled to prevent surge when the vehicle is breaking, cornering or accelerating. The baffles shall be arranged in a manner to facilitate the passage of a man throughout the tank for cleaning purposes tank shall be mounted on three cross bearers to counteract stresses caused by chassis flexing, and shall be so secured that it can be removed. Baffles shall be minimum 3mm thick. The bolting shall be so designed and mounted as to bring the centre of Gravity of the appliance as low as possible.

4. HPLP FIRE PUMPS:

HPLP Pump should be CE marked as per EN 1028 Part -I & Part -II. The Fire Pump of rear mounts type.

- * Normal Pressure Output 3000 LPM @ 7 bars
- * High Pressure Output 300 LPM @ 35 bars

The impeller, pump volute and wearing rings shall be made of GM as per IS: 318 Grade II and Delivery valves shall be made of light Alloy The pump shaft shall be made of Stainless Steel as per IS: 6603. The bearing housing shall be made of Cast Iron. All studs or bolts coming in contact with water shall be of stainless steel.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

The pump shall have self-adjusting mechanical carbon seal with carbon to stainless steel interface. The pump shall have a suction inlet of 100 mm with round threads and two 63 mm delivery outlets at front with screw down type valves fitted with couplings as per IS 903.

FIRE PUMP PRIMER:

The reciprocating priming system shall be fitted to the fire pump. The priming system shall be fully automatic in action and require no attention whatsoever from the pump operator other than throttling the engine once the pressure shall be achieved in the pump. The pump priming shall be accomplished even at engine idling speed. At normal temperature and pressure conditions (NTP) this type of primer at its recommended speed 2500 rpm shall prime from 7.5 Mtrs at NTP conditions.

5. POWER TAKES OFF UNITS:

The PTO will be heavy duty capable of transmitting the full power of the engine to the pump. The PTO unit will match the engine & pump characteristics. A separate lever in the main cabin will engage PTO. Necessary support for PTO units, propeller shaft couplings, universal joints etc. will be provided. PTO will be of Firehawk or VAS engineering make .

6. COOLING SYSTEM:

To avoid over heating of the engine, in addition to cooling by radiator, an indirect cooling system of open circuit type consisting of a heat exchanger with copper tubes will be provided on the chassis to enable full power output of the engine without overheating it while the vehicle is stationary during the firefighting operations. Provision shall be made to discharge the hot water away from the Fire Tender.

7. HOSE REELS:

One HP hose reel shall be provided at the rear of the appliance with 30 m lengths of 20 mm bore hose connected with a control auto shutoff jet/spray gun.

8. CONTROL PANEL:

Adequate illuminated pump operating, control panel shall be provided on the rear side of the Fire Tender, and all controls of the system shall be spaced properly & marked for easy operation. All valves shall be of lever-operated type and shall be made of SS with Teflon seats. All other controls like electrical siren, PA system shall be provided at driver's cab. All control panels shall have clearly written operating instruction plate.

The following controls shall be provided on rear side of the vehicle near the control panel:

- # Tube type Level Indicators for Water Tank
- # Compound Gauge, Pressure Gauge
- # Auxiliary Engine Throttle Control
- # Cooling Water Circuit Control
- # Hydrant Connection for filling Water Tank
- # Pump Inlets and Outlets
- # Water Tank to Pump Butterfly Valve
- # Pump to Monitor Valve
- # Operating Instruction Plate



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

9. WATER MONITOR:

The Fire Tender shall be fitted with water monitor at the top with suitable control valve near the pump as well as near the monitor. The monitor shall be capable of delivering minimum 1250 lpm at 7.0 kg/cm² with an effective throw/jet of minimum 35 Mtrs. The monitor shall be capable of rotating/traversing 360 horizontal planes and not less than +75 and -15 vertically. Complete construction of the monitor should be of GI/SS and hard anodized aluminum alloy nozzle should have arrangement for Foam induction, with jet-spray arrangement.

10. BODY WORK STOWAGE:

Drivers cum crew cabin for 1Dr + 1officer + 4 nos crew to be fabricated fully ventilated with both side flap type door with windows, all the seats will have foam cushion and will be covered with best quality Rexene. The cabin doors will be hinged type opening outwards & hung forward with catch latches. The cab and lockers will be of composite construction with sufficient rigidity and reinforcement and will be kept as tight as possible. Pressed sections of 40 mm x 40 mm x 2 mm thick MS square tubes of sufficient strength shall be used for the cabin construction as far as possible, Mat lining should be provided at top inside in the cabin.

Equipment Stowage Compartments

The rear equipment lockers superstructure (after the cabin) shall be fabricated with Pressed sections of 40 mm x 40 mm x 2 mm thick Galvanized square tubes of sufficient strength and paneled with aluminum plate

Roof panels shall be made of aluminum padded plates. The roof should be strong enough for being walked-on and must be sufficiently supported. The intermediate walls and shelves shall be constructed from aluminum sheets paneled to the galvanized tubular structure as cabin. The outside paneling shall be done from 16 SWG aluminum sheet. Complete flooring shall be of 16 SWG and the inside of lockers shall be done from 18 SWG Aluminium Plain Sheet. The vehicle shall be covered from top with 16 SWG Chequered plate having rainwater channel at both side. Guide Rails shall support over entire length on both sides.

All the compartments for stowage of equipment's shall be covered with Aluminium Roller Shutters. The aluminum shutters shall be of MCD France/ FIRECO - Italy/Magiruss -Germany or any reputed imported make only made of extruded aluminum & duly powder coated. (Indigenous aluminum shutters will not be accepted.) These smooth operating shutters shall be made of extruded aluminum profiles duly powder coated. The shutter doors shall be equipped with electro-magnetic switch on the door tracks to provide automatic switch on/off of compartment lights. All the space on sides of the vehicle, below the chassis frame level shall be utilized for stowing equipment's and shall be covered with hinged flaps.

Stowage System

Arrangement shall be provided for secure, scientific and systematic stowage of all accessories within the Fire Tender. Each equipment shall have its designated location so that it can be easily located during, emergency situations. Suitable clamps, brackets, holders etc. shall be provided for major accessories as the need be. The accessories should be properly clamped / strapped to prevent shifting of the equipment while the vehicle is in motion and thereby avoiding damage to the paneling of the vehicle. Suction hoses shall be bestowed on the roof top at a convenient location.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

Mounting of Superstructure

Compartment Superstructure shall be mounted on secure brackets of the steel sub frame made from Anti-Corrosive Treated MS 4" section and shall be bolted with the chassis using the high tensile bolts. Use of "U" bolts as well as direct mounting of Superstructure on chassis frame is strictly non-permissible.

11. PIPING:

All piping shall be sized so as to have min. pressure drop & achieve the required pressure & flow at various locations. All pipe fitting & valves (except butterfly valves) shall be galvanized. All piping shall be designed for 10% over the max. Pressures encountered in the pipe. The piping shall be flanged for ease of maintenance. All lines shall be hydraulically tested at 1.5 times the design pressure however in no case the lines shall be hydraulically tested below 18 Kg/cm². All lines shall be having suitably supported so as to provide rigidity & avoid vibrations. All bolting shall be of SS 304.

12. LADDER GALLIOWS:

Gallows shall be provided to carry 10.5 m aluminum trussed type double extension ladder. The design shall be such that the ladder can be released without difficulty from a reasonably accessible position and shall embody rollers to permit easy withdrawal by one man. Means shall also be provided for locking, the ladder when stowed.

13. ELECTRICAL SYSTEM:

The electric system shall be of 12/24 V throughout for lighting & starting circuits. All important electrical circuits shall have separate fuses suitably indicated and shall be grouped in to a common fuse box, located in an accessible position in driver cabin & fitted. Single pole with positive earth and alternator shall be provided for charging the battery. This wiring shall not be exposed to the atmosphere. Suitable size & colored wire shall be selected for different circuits considering the current rating for that circuit. All the wiring shall be dipole & properly fixed in position and not be exposed to the atmosphere for a protection against heat, oil & Physical injury. Conduits shall be used wherever necessary.

All equipment's lockers shall have individual lights and these shall be operated by means of master switch on the dash board in the driver's cabin.

Reputed make battery operated FLAT LED LIGHTING BAR and Multi-tone hooters/mike with amplifier; Loud Speaker system shall be provided and mounted on the driver's cabin roof. Microphone shall be provided in the driver's cabin. Amplifier & microphone shall be provided in front of officer's seat in box.

Electrical siren of 1 km range 12/24 V DC of KHERA] / AHUJA make shall be provided and fitted at a suitable place with two controlling push buttons, one on cleaner side and another at driver side

Two fog lamps would be suitably attached to the front bumper of appliance.

Reversing lights on either side would be fixed suitably at the rear of the appliance with wire mesh in such a manner to prevent accidental damage by the fireman while mounting the tank top.

Reverse horn should be provided.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

A powerful search light suitable halogen type & adjustable to give flood or beam light, capable of being readily disconnected and also mounted on a tripod away from the appliance would be provided with tripod and not less than 100ft of best quality TRS cable with reel.

The other lights like dash board lights, pump panel light, cabin lights, control panel lights, lockers lights, fog lights, brake lights etc. shall be of good quality make. All the lockers & control panels cubical shall be provided with lights & controlled by deluxe / quality / branded switches.

A trickle type battery charger shall be provided for recharging the battery in situ. A red pilot lamp indicating when the batteries are being, charged from an external supply shall be provided.

14. PAINTING, WORKMANSHIP, FINISHING AND MARKING:

The entire appliance shall be painted with Asian PPG/ Kansai Nerolac make class RAL 3000 Glossy Finish PU paint and thickness of 0.12 to 0.2 mm thickness using double coat spray painting on the outside. The logo, emblem & name of GIPCL/SLPP shall be painted in white colour background and name shall be written on the both sides of fire tender with self – illuminating.

Before final painting of fire tender two coats of anti-corrosion and one Zinc phosphate primer coat shall be applied. All the chassis and wheel arches shall be painted in white colour. All the piping shall be painted red. The Vehicle shall be clearly and permanently marked with the following, preferably on a metal plate attached in the driver's cabin & also near the pump operating control panel.

- # Manufacturer's name of trademark
- # Year of manufacture
- # Capacity of Pumps in LPM & Water tank
- # Engine & chassis Nos
- # Pumps serial number
- # All instrument controls shall be identified with nameplates
- #All hoses & valves inlet & outlet shall also be identified by suitable name plates

15. ACCESSORIES:

The vehicle shall be provided with the following accessories in addition to those normally fitted to the chassis. All the accessories shall be suitably fixed in position or shall be kept in lockers or other suitable place.

1. High Capacity Head lamps - Two.
2. Trafficators – Illuminated with indicating, lights on instrument panel or in any other prominent position in driving compartment.
3. Wind screen wipers (As provided with the chassis) OR TVS LUCAS make with motor assembly
4. Tools - All tools required for normal routine maintenance of the appliance which are not included in the kit for the chassis.
5. Search light – Adjustable, mounted on top, capable of being readily disconnected and mounted on a tripod complete with tripod and with 30 m of TRS cable on a reel.
6. Spot light - Adjustable, mounted in a convenient position on the near side of the appliance.
7. Inspection lamp - A socket shall be provided in the control panel in the driver's cab for plugging in the lamp.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

8. Tail lamps - Two of combined stop and tail.
 9. Rear reflectors.
 10. Wind screen-washer - Fitted in a suitable location with controls in driving, compartment (Please confirm that the same shall be provided with the chassis)
 11. Cab, instrument panel and locker light.
 12. Other Accessories as per Annexure - A.
16. Party has to enclose the following documents, with other documents as asked for.
- a. General drawing of Fire Tender.
 - b. Engineering Drawing on AERODYNAMICALLY designed cabin with pictures and details
 - c. Load Distribution chart.
 - d. General Layout of the equipment when mounted on the chassis.
 - e. Drawing of the Water Tank.
 - f. Drawing of the MS 4" Anti Corrosive treated Sub frame and fully Metacone mounting
 - g. Layout Sketch of piping & wiring.
 - h. Performance curve of centrifugal pump.
 - i. Drawing of Engine to PTO to Pump connection.
 - j. Drawing for superstructure mounting.

STAGE INSPECTIONS:

3 stage wise inspections / test of the above Fire Tender to be carried out at fabricator's works by the inspecting officers.

First Stage:-

Preliminary inspection covering inspection of material to be used for fabrication, it could indicate inspection of structure, mounting of sub frame with metacone and proper foundation.

Second Stage:-

Fitment of PTO, Hydraulic testing of water tank before mounting. Inside/outside paneling of sheets. Hydraulic testing, of pump before mounting, testing, of pipeline, inspection of fabrication work, cooling by pass valve and pipeline leading to heat exchanger, and suitable connection for its outlet, preliminary test of pump, working of PTO, fitment of primer, while checking, all relevant parameters

Third & Final Stage:-

Testing of accessories / equipment's mentioned in Annexure - A, four hours acceptance test of pump of rated output at normal pressure, maximum rotation of the monitor, angle of elevation and depression. Testing of all other normal items of equipment, fitments, appurtenances, light, fog lamps, search lights, revolving, blinker, spot light, rear warning light, as per specified standard.

Testing of duty points of the pump, including deep lift test, road test, braking, test, when the vehicle is fully loaded output and throw of monitor, throw of side line with water, separately testing of priming, device while working from open source of water supply.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

ACCEPTANCE TESTS:

The following acceptance test will be given to the complete satisfaction of the user. The design of tender will be such that it will not affect the Chassis Characteristic as specified by the chassis manufacturer such as speed, turning circle, acceleration etc. All the testing parameter should be carried out at the manufacturers' premises.

LONG RUNNING TEST:

The rating of pump would be min. 4 hrs. The pump will be tested for a continuous period of four hours and the water will not be replenished in the radiator during this test. The engine will not show signs of overheating during this test.

ARTICULATION TEST

The vehicles will be tested for articulation and will not show any signs of stress during, this test. Also the clearances in the wheel wells will be checked for tolerances.

SHOWER TEST:

After completion of the fabrication, the vehicle will be subjected to shower test as per the norms laid down under BIS. The appliance will not show any signs of leakage during, this test.

17. GENERAL REQUIREMENTS:

The vehicle shall conform in all respect of the provisions contained in the M.V. Act 1988 and M.V. Rules 1989 or to any other statute modifications or re-enactments thereon from time to time. All the equipment necessary for R.T.O.'s clearance shall be provided on vehicles.

18. INSTRUCTION BOOK, ACCESSORIES AND EQUIPMENT:

Instruction Book or Books -instruction book for the guidance of the user, including, both operating and normal maintenance procedure shall be supplied.



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

ACCESSORIES TO BE SUPPLIED WITH FIRE TENDER WILL BE AS PER BELOW DESCRIBED:

Sr. No	Description	Qty
1	Aluminium Double Extension Trussed Ladder 10.5 m as per IS: 4571	1
2	PVC Suction Hose with Light Alloy Round Threaded Couplings to suit the Pump Inlet 2.5 m	4
3.	Delivery Hose IS: 636 (Type B) ISI Marked, 63 mm x 15 meters with SS/GM couplings ISI Marked	10
4.	Suction Strainer for PVC Suction Hose (Item 2)	1
5.	Basket Strainer for PVC Suction Hose (item 2)	1
6.	Dividing Breaching made of Light Alloy	2
7.	Collecting Breaching made of Light Alloy	2
8.	Pair of Suction Wrench	1
9.	Long line 50mm circumference 30 m long	2
10.	Short line 50mm circumference 15 m long	2
11.	Multipurpose Hand Held Nozzle FM/CE approved shall be made of Light Alloy Extruded Construction As Per ISO 64430WP Grade. It shall have twist type control for straight jet, spray and wide angle fog, operating efficiently at low pressure of 3.5 bar. It shall have facility to operate Solid Jet & Fog simultaneously or independently and discharge more than 500 LPM for jet and 300 LPM for spray (combined discharge capacity - 800 LPM) @ 5 bar pressure. The horizontal Jet Throw in still air shall be around 35 Mtrs at 5-6 bar pressure. It shall have provision for change over to flush mode without shutting-off the flow. It shall have superior design of rubber grip, twist shut off from fog to stream and provision of teeth to provide dense fog. It shall have a Control Lever for ON-OFF Position and a 63 mm size inlet connection. A pistol grip handle for better grip shall be provided. The nozzle shall be hard anodized to prevent corrosion and wear. The weight of the nozzle shall not be more than 3 Kgs.	1



TENDER FOR PROCUREMENT OF FIRE WATER TENDER WITH BUY BACK

- | | | |
|-----|---|---|
| 12. | Multi flow Hand Held Nozzle FM/CE approved shall be made of Light Alloy Extruded Construction As Per ISO 64430 WP Grade. The nozzle shall be Hard anodized to prevent corrosion & wear, It shall have a twist type control for Straight Jet, Spray and Wide-Angle Fog. It shall have arrangement for selection of five flow ranges from 350 to 900 LPM by twist of a dial on the nozzle. The horizontal Jet Throw in still air shall be around 35 Mtrs at 7 bar pressure. It shall have Pistol grip handle to provide for superior grip control to the operator. It shall have provision for change over to flush mode without shutting-off the flow. It shall have a replaceable spinning teeth ring for generating a dense fog curtain, a ball valve type handle for shutting the flow and a 63 mm Inlet connection as per IS: 903. | 1 |
| 13 | Electrically Operated Winch – Capacity 6.5 Tons | 1 |
| 14 | Short Branch Pipe Light Alloy (fitted with tips of 12 mm, 16 mm, 20 mm & 25 mm) as per IS 903. (Two each) | 8 |
| 15 | a) Adapter for 100 mm suction female screw coupling and 63 mm male Instantaneous | 2 |
| | b) Adaptor double female instantaneous 63 mm | 2 |
| | c) Adaptor double instantaneous 63 mm | 2 |

Note: Mention of BIS Standard in Accessories List is for reference only. Does not mean the accessory should be BIS marked.



**TENDER FOR PROCUREMENT OF FIRE WATER TENDER
WITH BUY BACK
SECTION-D1**

Technical Details of Chassis Offered

S.No.	Description	Unit Of Measure	Detail To be Given by Bidder
1	MAKE Bharat Benz Chassis	Yes/No	
2	MODEL 1617R 4x2	Yes/No	
3	Payload Capacity (Minimum 16 Ton)	Ton	
4	Engine Capacity (170 BHP @2500 rpm)	BHP	
5	CC of Engine (3907 cc, 4 Nos. Cylinder)	Yes/No	
6	Wheel Base (i.e. Minimum 5100 MM)	MM	
7	BS IV Chassis	Yes/No	
8	Maximum Geared Speed (i.e 80 Km/hr)	Km/hr	
9	Minimum Turning Circle Diameter (i.e 17.1 m)	Yes/No	
10	Gearbox Model & Type		
11	OTHER SPECIFICATIONS		

COMPANY SEAL

SIGNATURE

NAME

DESIGNATION

COMPANY

DATE



**TENDER FOR PROCUREMENT OF FIRE WATER TENDER
WITH BUY BACK**

SECTION-E. TECHNICAL FORMAT

A. MATERIAL DETAILS AND QTY

Sr No	Description	Qty	Unit Price in Rs	GST in percent age (%)	Total Value
1	Supply of Chassis	1 Number.	Prices shall be quoted through online (n)-Procure only		
2	Fabrication of Water Fire tender along with accessories & equipment	1 LOT			

All above prices shall be quoted through online (n)-Procure only; Hard copy of price bid shall not be considered/accepted.

B. BUY BACK OFFER (To be submitted online)

Sr.No.	Description	Qty.	Unit Price (RS.)	Total Price (RS.)
1	LESS: BUYBACK OFFER FOR EXISTING FIRE WATER TENDER	01 No.	Prices shall be quoted through online (n)Procure only	
	ADD: GST	In %		
	GST in Rs			
	ADD: TCS (Against sale of EXISTING FIRE WATER TENDER)	1.00%		
	TOTAL COST FOR BUYBACK			=====

Note: You will issue separate DD of above amount to GIPCL against buy back of Existing Fire Water Tender and GIPCL will issue the invoice.

All above prices shall be quoted through online (n)-Procure only; Hard copy of price bid shall not be considered/accepted.

NAME OF TENDERER : _____
 SEAL & SIGNATURE OF TENDERER : _____
 NAME OF AUTHORISED PERSON : _____
 ADDRESS : _____
 PHONE NO. _____ FAX No. _____
 MOBILE NO. _____ Email ID. _____

SECTION-F

PROFORMA FOR BANK GUARANTEE FOR EARNEST MONEY DEPOSIT

(To be executed on non-judicial stamped paper of appropriate value)

B.G. No. _____

Date : _____

1. WHEREAS M/s.Gujarat Industries Power Company Limited having its Corporate Office at PO: Petrochemicals, Dist.Vadodara – 391 346, Gujarat State, India (hereinafter called “The Company Owner” which expression shall unless repugnant to the subject or context includes its legal representatives, successors and assigns) has issued tender paper vide its Tender No.....for -----
----- (hereinafter called “the said tender”) to M/s.(hereinafter called the said Tenderer(s)” which expression shall unless repugnant to the subject or context includes their legal representatives, successors and assigns and as per terms and conditions of the said tender, the tenderer shall submit a Bank guarantee for Rs..... (Rupeesonly) towards earnest money in lieu of cash.
2. WeBank having its branch office at do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Company stating that in the opinion of the company which is final and binding, the amount claimed is due because of any withdrawal of the tender or any material alteration to the tender after the opening of the tender by way of any loss or damage caused to or would be caused or suffered by the Company by reason of any breach by the said tenderer(s) of any of the terms and conditions contained in the said tender or failure to accept the letter of Intent Agreement or that the amount covered under this Guarantee is forfeited. Any such demand made on the Bank by the owner shall be conclusive as regards the amount due and payable by the Bank under this guarantee, However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....only).
3. We undertake to pay to the Company any money so demanded not withstanding any dispute or disputes raised by the tenderer (s) in any suit or proceeding pending before any office, court or tribunal relating thereto our liability under this present guarantee being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under. Our liability to pay is not dependent or conditional on the owner proceeding against the tenderer.
4. The guarantee herein contained shall not be determined or affected or suspended by the liquidation or winding up, dissolution or change of constitution or insolvency of the said tenderer(s) but shall in all respect and for all purposes be binding and operative until payment of all money due or liabilities under the said contract(s)/ Order(s) are fulfilled.

...2....

5. WeBank Ltd. further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the finalization of the said tender and that it shall continue to be enforceable till the said tender is finally decided and order placed on the successful tenderer(s) and or till all the dues of the company under or by virtue of the said tender have been fully paid and its claims satisfied or discharged or till a duly authorized officer of the company certifies that the terms and conditions of the said tender have been fully and properly carried out by the said tenderer (s) and accordingly discharges the guarantee.
6. That the Owner Company will have full liberty without reference to us and without affecting this guarantee to postpone for any time or from time to time the exercise of any of the power of the owner under the tender.
7. Notwithstanding anything contained herein before, our liability shall not exceed Rs..... (Rupees.....only) and shall remain in force till..... (Date to be filled up shall be 180 days from the date of submission of Bid).

Date.....

..... Bank
Corporate Seal of the Bank By
its constitutional Attorney

Signature of duly Authorized person
On behalf of the Bank
With Seal & Signature code

SECTION-G

**PROFORMA FOR CONTRACT SECURITY-CUM-PERFORMANCE GUARANTEE BY
SELLER / CONTRACTOR.**

(To be executed on non-judicial stamped paper of approximate value)

B.G. No. _____

Date : _____

1. WHEREAS Gujarat Industries Power Company Limited having its office at PO: Petrochemicals, Dist. Vadodara – 391 346, Gujarat State, India (hereinafter referred to as “The Company/Owner” which expressions shall unless repugnant to the subject or context includes its legal representatives, successors and assigns) has entered into a contract with M/s. _____/ has placed a purchase order on M/s. _____(hereinafter referred to as “Contractor(s)/ Seller(s)” which expression shall unless repugnant to the subject or context includes their legal representatives, successors and assigns) for _____on the terms and conditions as set out inter alia, in the Company’s contract No./ P.O.No. _____date _____and various documents forming part thereof hereinafter referred to as the “said contract” which expression include all amendments, modifications and/ or variations thereto and where as the Contractor(s)/ Seller(s) has agreed for due execution of the entire contract and guarantees its performance including any parts executed through any other agencies/ subcontractors

AND WHEREAS one of the conditions of the “said contract” is that “contractor(s)/seller(s) shall furnish to the owner a Bank Guarantee from a bank for% (.....percent) of the total value of the “said contract” against due and faithful performance of the “said contract”including performance guarantee obligations of the contractor(s)/seller(s) for execution/ supplies made under the “said contract.”

2. We _____Bank having its branch office at _____do hereby agree and undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from the Company stating that in the opinion of the Company, which is final & binding, the amount claimed is due by reason of default made by the Contractor(s)/ Seller(s) in performing any of the terms & conditions of the said Contract including defect liability obligations, in fulfilling the performance guarantee obligation or loss or damage caused to or would be caused to or suffered by the Company by reason of any breach by the said Contractor (s)/ Seller(s) of any of the terms & conditions of the contract. Any such demand made on the Bank by the owner shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However our liability under this guarantee shall be restricted to Rs. _____(Rupees.....only).

3. We undertake to pay to the Company any money so demanded not withstanding any dispute or disputes raised by the contractor(s)/ Seller(s) in any suit or proceeding pending before any office, court or tribunal relating thereto our liability under this present guarantee being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under. Our liability to pay is not dependent or conditional on the owner proceeding against the Contractor(s)/ Seller(s).

.....2.....

4. The guarantee herein contained shall not be determined or affected or suspended by the liquidation or winding up, dissolution or change of constitution or insolvency of the said Contractor(s)/ Seller(s) but shall in all respect and for all purposes be binding and operative until payment of all money due or liabilities under the said contract(s)/ Order(s) are fulfilled.
5. This guarantee will remain valid up _____ days or _____ whichever is earlier. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that if this guarantee is extended for a period as mutually agreed between bidder & owner/purchaser, the guarantee shall be valid for a period so extended provided that a written request for such extension is received before the expiry of validity of guarantee.
6. WeBank further agree with the Company that the company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract(s)/ Order(s) or to extend the time of performance by the said Contractor(s) Seller(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the _____ Company against the said Contractor(s)/ Seller(s) and to forbear or enforce any of the terms and conditions relating to the said Contract(s)/ Order(s) and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor (s) / Seller(s) or for any forbearance, act or omission on the part of the Company or any indulgence by the Company to the said Contractor(s)/ Seller(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have affect of so relieving us.
7. Notwithstanding anything contained herein before, our liability shall not exceed Rs.....(Rupees.....only) and shall remain in force till.....Unless a demand or claim under this Guarantee is made on us within three months from the date of expiry we shall be discharged from all the liabilities under this guarantee.

Date.....
Corporate Seal of the Bank

.....Bank
By its constitutional Attorney
Signature of duly Authorized
person
On behalf of the Bank
With Seal & Signature code

SECTION-H

SCHEDULE OF DEVIATION FROM TECHNICAL SPECIFICATION AND COMMERCIAL TERMS AND CONDITIONS

All the deviations from the general and special conditions of contract shall be filled by BIDDER clause by clause in this schedule.

Sr. No	SECTION	CLAUSE NO	AS PER TENDER DOCUMENT	DEVIATION

The bidder here by certifies that the above mentioned are the only deviations from OWNER's General/ Special Conditions of this enquiry. The bidder further confirms that in the events any other data and information presented in the BIDDER's proposal and accompanying documents are at variance with specific requirements laid out in the OWNER's General /Special Conditions, then the latter shall govern and will be binding on the BIDDER for quoted price.

COMPANY SEAL

SIGNATURE

NAME

DESIGNATION

COMPANY

DATE

SECTION-I

VENDOR DETAILS

S.No.	Description	Detail
1	Vendor Contact Person Name	
2	Vendor Mail Id	
3	Vendor Contact No.	
4	GST Detail (Along with Relevant Proof)	

COMPANY SEAL

SIGNATURE

NAME

DESIGNATION

COMPANY

DATE

SECTION- J

BharatBenz 1617R 4x2**Technical Specifications****Dimensions (mm)**

Wheel Base	5100	5900	6700
Overall Length	8600	9815	11995
Overall Width	2440	2440	2440
Overall Height	2600	2600	2600
Minimum Ground Clearance	270	270	270
Load Body Length	5985(20 ft.)	7200 (24 ft.)	9500 (31 ft.)

Weight

Gross Vehicle Weight (GVW)	16200
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Engine

kg	
Model	4D34i
Maximum Power	125kW (170 hp) @ 2500 rpm
Maximum Torque	520 Nm @ 1500-2000 rpm
No. of Cylinders, Displacement	4 Nos, 3907 cc
Emission Compliance	BSIV

Transmission

Gearbox Model & Type	G85 – 6F+1R, Mechanical, Synchromesh gears
Clutch Type, Diameter	Single dry plate, Hydraulic control with clutch booster, 362mm

Axle

Front Axle Model, Type	IF 6.0, Reverse Elliot
Rear Axle Model, Type	MS145, Fully floating, Hypoid gears
Rear Axle Ratio	5.57

Chassis Frame & Suspension

Chassis Type	Channel section with cross member
Depth x Flange Width x Thickness	272 x 70 x 6 (mm)
Front Suspension	Semi elliptic leaf spring with shock absorbers
Rear Suspension	Semi elliptic laminated leaf spring
Anti-roll bar	Optional (Front & Rear)

Brakes & Tyres

Service Brake	Pneumatic, Foot operated, Dual line with ABS
Parking Brake	Pneumatically operated hand control valve
Wheel Rims & Tyres	7.50 x 20, 10.00 R 20 – 16

Steering & Cabin

PR	
Steering Type	Hydraulic power assisted
Cabin	Sleeper Cabin with berth, Tilttable

Fuel Tank & Electrical

Fuel Tank	200 litres
Ad-blue tank	27 litres
Voltage	24V Electrical system
Battery Capacity	2 x 12 V, 75 Ah

Performance

Maximum Gradeability	21.5%
Maximum Geared Speed	80 km/hr
Minimum Turning Circle Diameter	17.1m 19.8m 22.6m

Configuration

Standard	Cabin with Chassis
Load Body Option	Fixed Side Deck, High Side Deck

Option Packs

Comfort Pack (HVAC) & Hazardous Goods Package