

**GUWAHATI MUNICIPAL CORPORATION
WATER WORKS WING:: PANBAZAR
GUWAHATI-781001**



DETAILED TENDER NOTICE & BID DOCUMENTS

NAME OF WORK:-

Supply & installation of one no. multistage raw water pump at Kamakhya Intake Point to be fitted with existing motor (2nd stage pumping station) including supply & installation of fully automatic star delta starter of 250 H.P. capacity.

Issued against document fee payment receipt no.

Name of Tenderer:

Issue Date:

Issued To:

Full Postal Address:
.....
.....

Fax No. : **Tel No.** :

Mobile No. : **E-mail** :

Reference of cost of Tender Document:

Receipt no-- **Date-**.....



**OFFICE OF THE GUWAHATI MUNICIPAL CORPORATION
Water Works Wing ::: Panbazar ::: Guwahati-1.**

NAME OF WORK:- Supply & installation of one no. multistage raw water pump at Kamakhya Intake Point to be fitted with existing motor (2nd stage pumping station) including supply & installation of fully automatic star delta starter of 250 H.P. capacity.

SCHEDULE FOR BID PROCEDURE

SALE OF BID DOCUMENTS	FROM 23.02.2016 TO 02.03.2016
SUBMISSION OF BIDS	UP TO 2.00 P.M. OF 03.03.2016
OPENING OF BIDS	03.03.2016 AT 3:00 P.M.
PLACE OF OPENING OF BID	Water Works, Guwahati Municipal Corporation, Panbazar, Guwahati-01.
EVOLUTION OF BID	FROM 04.03.2016

OFFICER INVITING BID	COMMISSIONER, GUWAHATI MUNICIPAL CORPORATION, PANBAZAR, GUWAHATI-1
----------------------	--



OFFICE OF THE GUWAHATI MUNICIPAL CORPORATION**PANBAZAR, GUWAHATI-1**

No. GWS/

Date: -/...../2016.

NOTICE INVITING TENDER

Sealed tender for the following work under Water Works Wing of Guwahati Municipal Corporation, is invited from the manufacturer or authorized dealer of manufacturer or experienced & resourceful supplier having experienced in similar nature of works. The tender will be received at the Water Works, Guwahati Municipal Corporation, Panbazar, Guwahati-01 up to 2:00 P.M. on 03-03-2016. Tenders will be opened on the same date after one hour of closing time.

Detailed tender document and other terms & condition etc. may be obtained from the office of Water Works, Guwahati Municipal Corporation, Panbazar, against payment of Rs.1,000/- (Rupees One Thousand) only on any working day w.e.f. 23-02-2016 to 02-03-2016 during office hours. Tender document also can be downloaded from G.M.C.'s website www.gmcportal.in. For downloaded tender document, document fee of Rs.1,000/- (Rupees One Thousand) only is to be deposited to the Cashier, G.M.C., during submission of tender.

Group No.	Name of Work	Estimated Amount	Earnest Money	Time of completion
1.	Supply & installation of one no. multistage raw water pump at Kamakhya Intake Point to be fitted with existing motor (2 nd stage pumping station) including supply & installation of fully automatic star delta starter of 250 H.P. capacity.	Rs.9,72,645/-	Rs.19,500/-	90 days

Commissioner,
Guwahati Municipal Corporation,
Guwahati.

Date.....

Memo No.- GWS/.....

Copy to:-

1. The Municipal Secretary G.M.C. for appraisal of Hon'ble Mayor, GMC & member's mayor in Council.
2. The Addl. Commissioner, A.Gyani, IAS, GMC, for information.
3. The Chief Engineer I & II, GMC, for information.
4. The C.A. & A.O. G.M.C. for information.
5. Sri Nabajyoti Bharali, M.S. Specialist. He is requested to upload the above NIT with detail tender document on the G.M.C.'s web site www.gmcportal.in immediately.
6. M/S \Exclusive Advertising Guwahati for publication of the above NIT in one English & one Assamese daily news paper preferably on the following daily news paper. (a) The Assam Tribune, (b) Amar Asom.
7. Notice Board Head office/ Water Works/ Uzanbazar Office.
8. Head Cashier, G.M.C. for information.

Commissioner,
Guwahati Municipal Corporation,
Guwahati.



**OFFICE OF THE GUWAHATI MUNICIPAL CORPORATION
PANBAZAR :: GUWAHATI-1.**

No. GWS/.....

Date: -/...../2016.

DETAIL TENDER NOTICE

Sealed tender for “Supply & installation of one no. multistage raw water pump at Kamakhya Intake Point to be fitted with existing motor (2nd stage pumping station) including supply & installation of fully automatic star delta starter of 250 H.P. capacity” under Water Works Wing of Guwahati Municipal Corporation, is invited from the manufacturer or authorized dealer of manufacturer or experienced & resourceful supplier having experienced in similar nature of works. The tender will be received at the Water Works, Guwahati Municipal Corporation, Panbazar, Guwahati-01 up to 2:00 P.M. on 24-02-2016. Tenders will be opened on the same date after one hour of closing time.

Eligibility Criteria: - Tender(s) should satisfy the following eligibility criteria: -

<i>Sl. No.</i>	<i>Particulars</i>	<i>Amount</i>
1.	<i>Annual Turnover during last 3 (three) years ending 31-03-2013 (supported by authenticated documents)</i>	<i>150% of the tendered value of the work.</i>
2.	<i>Experience in similar nature of work completed successfully during last 5 (five) years shall be either of the following - (meaning of similar nature is defined in clause 15 of terms & conditions)</i> <i>a. One similar completed work -</i> <i>b. Two similar completed work -</i> <i>c. Three similar completed work -</i>	<i>80% of the tender value of the work.</i> <i>50% of the tender value of the work.</i> <i>40% of the tender value of the work.</i>

GENERAL INSTRUCTIONS TO THE TENDERERS

The intending tenderers are requested to purchase the tender document from the **Superintendent, Water Works Wing, Panbazar, Guwahati** by paying **Rs. 1,000/- (Rupees One Thousand)** only in cash, to be paid to the Cashier, G.M.C. as document fee and submit their tenders in sealed covers at the place and within the date & time as indicated in the brief Notice Inviting Tender after signing & putting seals on each page and furnishing information & documents as required as per tender document. The tenderers are requested not to make any change(s) in the tender conditions / specifications other than the entries required for submission of tenders. In the event any change(s) are found in the documents after opening, the tender(s) will be liable for rejection.

Tenderers are advised to read the Tender document thoroughly and satisfy himself about the scope, terms & conditions etc. before submission of the bid.

It is imperative for each tenderer to familiarize all local condition and factors, which may have any effect on the execution of work covered under this tender document. In his own interest, the tenders are requested to familiarize themselves with Indian Income Tax Act, 1961, Indian Companies Act 1956, Indian Customs Act 1962, Assam Value Added Tax Act (VAT) and other related acts and laws and regulations with their latest amendments, as applicable. It must be understood and agreed that all such factors have properly been investigated and considered while submitting the tender. No claim for financial or any other adjustments to value of contract will be entertained.



TERMS AND CONDITION:**1. Cost of tender document:**

The tenderer shall purchase the tender document from the Office of the Water Works Wing, Panbazar, Guwahati by paying **Rs. 1,000/- (Rupees One Thousand) only** in cash as non-refundable tender document fees. Tender document also can be seen in GMC's website www.gmcportal.in, for downloaded tender document, document fee of **Rs.1,000/-** is to be deposited to the Cashier, G.M.C., during submission of tender.

The Tender document is non transferable.

2. Earnest Money:

The Tenderer shall, as a condition for consideration of the tender, furnish Earnest Money @ 2% on the Estimated Value (1% for S.C. & ST) by Demand Draft / Term Deposit in the prescribed format (from Nationalized/ Schedule Bank) pledged in favour of "Commissioner, Guwahati Municipal Corporation, Guwahati for an amount specified in the Notice Inviting Tender. Earnest Money furnished by Demand Draft or by Bankers Cheque shall remain valid for a minimum period of 1 (One) Year from the date of opening of tender. Tender(s) without Earnest Money will be rejected.

The SC/ST Tenderer must submit the valid cast certificate along with the tender in support of his claim. Photocopy must be attested by a Gazetted officer.

In case of the Tenderer quoted rate above the Estimated rate / Amount and if his tender is accepted then tenderer is to deposit additional 2% earnest money for the additional amount over the estimated amount.

In case the Tenderer quoted rate beyond 10% below of the estimated rate he must deposit additional Earnest Money for that amount. (Example – If a contractor quoted 17% below the estimated amount he must deposit additional 7% Earnest Money. His total Earnest Money will be 2% + 7% = 9%).

The Earnest Money of the unsuccessful tenders shall be released without interest within one month from the date of finalization of award of contract or on expiry of the validity of tenders whichever is later.

The EMD may be forfeited in case the tenderer revoke or cancel his tender or vary any terms thereof within the validity period of tenders without the consent of GMC in writing or if the tenderer fails to complete contractual formalities such as formal acceptance of the order, sign the Contract, furnish Security Deposit within the time specified in the order.

3. Security Deposit:

The full security deposit @ 10% of the work Value shall be deducted from the contractors Bill (Running Bill or Final Bill) and same shall be retained By G.M.C. for a period of one 1(one) Year. In that case, 2% E.M. as security would be released along with the final bill for the work. The security amount shall be released after 1(one) year of completion of the work subject to the condition that the work remain in proper condition to be certified by the concerned Engineer. Otherwise the security amount will be forfeited to G.M.C.

4. Duration:

The selected tenderer must complete the work in all respect within the specified time and no incomplete work will be accepted and no payment for the same will be made.



5. Instruction for construction period:

The selected tenderer at own cost shall fix up a board at the work site from the day of starting till completion of the work with a sign board as follows-

Name of Work:- Supply & installation of one no. multistage raw water pump at Kamakhya Intake Point to be fitted with existing motor (2nd stage pumping station) including supply & installation of fully automatic star delta starter of 250 H.P. capacity

Tendered Value:-

Name of Contractor:-

The selected tenderer at his own cost shall take photograph of the work as per direction of the Engineer in-charge of the work in three stages: -

- (i) Initial condition of the site of work with the signed board.
- (ii) During construction
- (iii) After completion of the work.

The three stage photographs should be taken at various locations in the same place as directed by the Engineer in-charge. No bill shall be paid without photographs.

For carrying out any work in Sunday, holiday or during night contractor will have to obtain permission from engineer in-charge. Otherwise for the work done without information, engineer in-charge shall have the discretion to accept or reject the same.

6. Regarding Materials:

No Materials will be supplied to the contractors from G.M.C. The contractor will have to arrange everything of their own and no extra payment will be made for the same. However a provision will stand to issue of the materials subject to availability of the stock and in that case cost will be deducted from contractors' bill as assessed from time to time.

For all materials, test certificate from competent authority must be provided as and when required by Engineer In-charge.

Contractor shall be responsible for safe custody of their materials and GMC shall in no way, be held responsible for any damage / theft / loss of contractor's materials stored at the designated places.

7. Commencement of Work:

The contractor must start his work ***within 7 (Seven) days*** of handing over of the site, otherwise without prejudice to any of its rights or remedies, G.M.C. may terminate the contract and forfeit the earnest money.

8. Completion of Work:

The contractor must complete the work within the time frame as mentioned in the NIT Clause from the date of issue of the formal work order.

During execution of work if any type of obstruction is found in the alignment of the work, that must be resolved by the selected tenderer at his own cost, risk & responsibility. No extra payment will be made in any case.



9. Mode of Submission of Tender:

The tender document shall be duly filled in, signed & stamped on each page by the tenderer and the complete set along with all documents and information complete as required shall be submitted under sealed covers within the due date, time and place as specified in the Notice Inviting Tender. The envelopes shall be super scribed with the name of work, full **Name, Address & Phone no.** of the tenderer and with a note "TENDER". The tender, complete in all respects, shall be submitted as mentioned below and addressed to:

**THE COMMISSIONER,
GUWAHATI MUNICIPAL CORPORATION,
PANBAZAR, GUWAHATI -781001 (ASSAM)**

Tender once submitted cannot be withdrawn after opening of tender.

Delayed / late offers due to any reason whatsoever and bids received in torn or open condition shall not be considered for opening and the same shall be returned as it is.

10. Quoting of Rate:

The tenderer should quote their rates as per the format attached with the tender document for the work by filling in the rates & amounts, duly signed & stamped on each page and the same shall be put in separate sealed envelope and duly super scribing the envelope with the name of work. The rate shall not contain any exceptions/deviations/condition/ presumptions of any kind. Any exceptions/deviations /conditions/ presumptions made in the quoted rate shall either be ignored or the same shall make the tender liable for rejection.

The quoted price shall be inclusive of all taxes, duties, levies etc. as applicable and all expenses.

No escalation of rates will be allowed in any case within 1 (one) year from the date of opening of the tender.

The prices quoted by the bidder shall remain firm till completion of the works.

The intending tenderer shall be deemed to have visited the site and familiarized themselves thoroughly with the site conditions before submitting the tender. Non-familiarity with the site conditions will not be considered a reason either for extra claims or for not carrying out the works in strict conformity with the drawings and specifications.

11. Opening of Tenders:

At the time of tender opening, GMC will allow only authorized representative of the tenderers. Tenderers are advised to depute representative duly authorized by them. Tenders will be opened on the same day after one hour of closing of the tender Box,

If the opening date of the tender falls on holiday or the office remains closed on the opening date, due to any reason, the tender will be open on the next working day at the same time.



12. (a) Evaluation of Tenders:

The lowest quoted price amongst the qualified tenderers shall be considered as the preferred tenderer subject to the price quote of the tenderer being nearest to the minimum benchmark price fixed by the evolution committee formed for evaluating the tenders. Any price quote lower than the minimum benchmark price fixed by the evaluation committee shall not be considered for selection. This minimum benchmark price shall not be disclosed. This minimum benchmark price shall be fixed by the evaluation committee after submission of the tenders by the last date of submission but before opening of tender to maintain transparency.

Though preference will be given to experienced and financially sound contractors, timely executing of work will be examined and on the basis of his earlier performance preference will be given.

The GMC authority does not bind itself to accept the lowest or any tender but the fairness of the quoted price & the past conduct of the contractor will be taken into consideration in making the selection.

(b) Validity of Tenders:

Tenders submitted by the tenderers shall remain valid for a minimum period of 6 (Six) months from the date of opening of tenders. The tenderers shall not be entitled, during the said period of six months without the consent in writing of GMC, to revoke or cancel their tenders or vary the tenders submitted or any term thereof. In case of bidder revoking or canceling his bid or vary any terms in regard thereof without the consent of GMC in writing, GMC shall forfeit their Earnest Money paid by them along with their bid.

The tenderers shall extend the validity of their tenders if so desired by GMC. In the event of such extension of validity of tenders, the tenderers shall extend validity of Earnest Money Deposit suitably, as required. Separate intimation in this regard, i.e. extension of validity of the EMD shall not be given to the tenderers and the tenderers will be required to extend such validity entirely on its own.

13. PAN Card:

The tenderer must have a valid PAN Card. Photo copy of which must be submitted along with the tender. It should be duly attested by a Gazetted Officer. I.T. will be deducted as per applicable rate from the bill.

14. VAT Registration:

The tenderer must have a Valid VAT registration no., photo copy of which must be submitted along with the tender. It should be duly attested by a Gazetted officer. VAT will be deducted from the bill as per applicable rate.

15. Valid Trade License:

The tenderer who is doing business in Guwahati must have a valid trade license from Guwahati Municipal Corporation.

16. Penalty :

Delay fine shall be imposed @ Rs.200.00 per day for delay in execution of the work as per time frame of the tender & as per direction of GMC authority.



17. Experience in Similar Nature of Work:

The tenderer must submit the Details of work of completed RELEVANT TO SIMILAR NATURE OF WORK. As per Form-1 of tender document. **As a proof, copies of work order and completion certificates indicating actual executed value and actual date of completion) shall be submitted by the bidders.** If necessary, additional sheet may be enclosed.

Similar nature means: - Supply and installation of pump set of not less than 150KW.

Credential certificate, issued by Govt. / Semi Govt. Urban Local Body, shall only be accepted for assessing the eligibility of a tenderer having following information

Name & Address of the Organization	Name & nature of work and location with work order no.	Awarded value (in Rs.)	Date of Commencement of work	Date of satisfactory completion of the work	Completion certificate and the final certified cost of the work

Certificate issuing officer of Govt. / Semi Govt. / Urban Local Body should not be less than the rank of Executive Engineer.

18. Tools & Plants:

All tools and plants (including power & water etc.) required for the works are to be arranged by the contractor at his own cost and risk. If any tools & plants are issued by department, the higher charge will be deducted from the bills as fixed by the department. Tenderer must submit the details of equipments available at his disposal as per Form-2.

19. Inspection :-

Manufacturer should get broad specification of the pump approved by GMC prior to start manufacturing. Prior to dispatch final inspection at manufacturer's work factory would be carried out by GMC. Necessary arrangement for inspection is to be made by the tenderer. Internal inspection report shall have to be submitted by the manufacturer.

20. Canvassing:

Canvassing directly or indirectly in any form in connection with the tender strictly prohibited. One, who resorts canvassing are liable for rejection.

21. Right of GMC:

The GMC authority reserved the rights to reject all or any tender without assigning any reason thereof and does not bind itself to accept the lowest rate.

Tenders in which any of the particulars and prescribed information are missing or are incomplete in any respect and/or the prescribed conditions are not fulfilled are liable to be rejected. The tender containing unsolicited remarks or any additional conditions are liable to be rejected.



22. Addenda / Corrigenda:

Addenda / Corrigenda may be issued by GMC to the tender document prior to opening of tender to clarify documents or to reflect modification to the terms of tender document. All future addenda and corrigenda will be hosted in the website www.gmcportal.in, as well as in office notice board.

Each tenderer shall attach a copy of each addendum/corrigendum along with the tender after signing a stamping on each page. All addenda / corrigenda shall form part of the tender document.

23. Corrections in BID:

All changes / alterations / corrections in the tender shall be signed by the person signing the tender and stamped.

Tenderer are advised to submit their tenders strictly on the terms, conditions, scope contained in the tender document and not to stipulate any deviations/exception.

Tenderer shall submit only one tender in one package. Submission of more than one tender / alternative tenders including in association with other tenderer will not be accepted thereby making both.

24. Scope of work:

The work is related to **“Supply & installation of one no. multistage raw water pump at Kamakhya Intake Point to be fitted with existing motor including supply & installation of fully automatic star delta starter of 250 H.P. capacity”**. Detail specification of pump & starter has been incorporated in the BOQ. The pump is to be run by existing motor (Make-Kirloskar) of 160KW. Existing base plate, suction delivery pipes are to be used. The tenderer are requested to visit the work site before submitting tender so that no major modification of existing base plate & suction delivery is required & pump can be installed without any difficulty. For installation part also Board Guidelines has been incorporated in the BOQ. Tenderer has to consider all required materials (best quality) and labour charge for complete installation of the pump set to make it properly functional even if some component are not mentioned in the Board Guidelines, tenderer are requested to consider all expenses.

25. Location:

The Kamakhya Intake Point.

26. Pumps – Starter Specifications**A. STANDARDS**

Except as otherwise specified all equipment and materials shall comply with the requirements of applicable latest editions of standards and code of practices of the Indian Standard Institution (ISI) or where ISI do not exist to British Standards (BS) should equipment/materials be offered to other standards, the equipment/materials shall be equal to or those specified and fill details of difference shall be furnished on separate sheet titled “Comparison of standards”.



B. GENERAL

1. All materials incorporated in the work shall be the most suitable for the duty concerned and shall be new and of first class commercial quality, free from imperfections and selected for long life and minimum maintenance.
2. For electrical 'equipment, dissimilar metals shall not, as far as possible, lie in contact with each other. Where unavoidable, such material can be used. Provided the material potential difference between them does not exceed 250 MV.
3. Except as specified otherwise, the following material specification shall govern for electrical equipment or component of electrical equipment:
 - a) Outdoor/Indoor structural sheet: Hot dip galvanized in accordance with IS:2629.
 - b) Nuts, bolts, screws, washers and springs: steel components shall be cadmium/zinc/chromium plated. Brass, phosphor bronze and other non-ferrous material shall be electro-tinned/chromium plated. Springs shall be of stainless steel or phosphor bronze.
 - c) Insulating materials, Class F or better.
 - d) Wood shall not be used except where specifically noted in the Enquiry Specification.
 MI flanges shall be drilled in accordance with equipment of IS: 1538.
 All flanges shall be flat faced and shall be full or spot faced on the back side.
 Castings and fabricated materials shall be finished smooth all over.
 All Carbon Steel fasteners used shall be electro-galvanized.

C. QUALITY AND WORKMANSHIP

All equipment shall be new and of first quality.

All identical items of the Plant and their component parts shall be completely interchangeable. Spare parts shall be manufactured from the same materials as the original parts and shall fit all identical items.

All equipment shall operate without excessive vibration and with minimum noise. All revolving parts shall be truly balanced.

D. HORIZONTAL CENTRIFUGAL PUMP

• Design Requirements:

- a) The pump shall be capable of developing the required total head at rated capacity. The pumps shall operate satisfactorily at any point on the H-Q characteristic curve over a range of 50% to 130% capacity.
- b) The pump should meet the system requirement. The tenderer should visit site and assess the total system requirement.
- c) The required NPSH at duty point shall be at least 1.0 M less than the available NPSH.
 - (i) The maximum power required by the pump from zero discharge to zero head.
 - (ii) 115% of the power required at the duty point, power required shall be worked out not considering 1% negative tolerance on the quote figure of the efficiency.

• Features of Construction:

- a) Pumps of a particular category shall be identical and shall be suitable for parallel operation with equal load division. Components of identical pumps shall be interchangeable.
- b) Impeller shall be enclosed type, securely keyed to the shaft. Means shall be provided to prevent loosening during operation including rotation in reverse direction.
- c) Pumps shall be provided with renewable type casing ring.



- d) The first critical speed of the pump rotor shall be at least 30 percent above the operating speed.
- e) Replaceable shaft sleeves shall be provided to protect the shaft where it passes through stuffing boxes.
- f) Stuffing boxes shall be of such design that they can be repacked by removing the gland and lantern ring.
- g) Pump shall be provided with anti-friction bearings/hush bearings.
- h) Pump shall be furnished complete with flexible coupling.
- i) The base plate for pump and motor shall be common. Suitable holes shall be provided for grouting foundation bolts shall be complete with nuts and washers.
- j) Suction and discharge connections shall be flanged.
- k) Pump impeller shall be properly balanced.
- l) All accessories required for proper and safe operation shall be furnished with the pump.

m) Materials of construction-

Make	--	Kirloskar
Type	--	Horizontal Multistage
Model	--	RKB 125/27
RPM/Pole	--	1500/4
Stages	--	10.
Discharge	--	150 M ³ / hour
Head	--	220 mtr.
M.O.C.	--	Pump Casing – CI
Impeller	--	CF8M (2% NICKEL)
Shaft	--	CS40C8
Shaft Sleeves	--	SS410

STARTER

1. Fully automatic star delta starter of 250 H.P.
 Make - L&T/ Crompton Greaves/ Schneider or equivalent ISI standard
 Motor rating - AC-3 Ph, Duty -(+)(-) 415 V, 50 Hz. for 220 H.P. motor

Motor – Starter Specifications

A. STANDARDS

Except as otherwise specified all equipment and materials shall comply with the requirements of applicable latest editions of standards and code of practices of the Indian Standard Institution (ISI) or where ISI do not exist to British Standards (BS) equipment/materials should be offered to other standards, the equipment/materials shall be equal to or those specified and fill details of difference shall be furnished on separate sheet titled “Comparison of standards”.

B. GENERAL

4. All materials incorporated in the work shall be the most suitable for the duty concerned and shall be new and of first class commercial quality, free from imperfections and selected for long life and minimum maintenance.
5. For electrical equipment, dissimilar metals shall not, as far as possible, lie in contact with each other. Where unavoidable, such material can be used. Provided the material potential difference between them does not exceed 250 MV.
6. Except as specified otherwise, the following material specification shall govern for electrical equipment or component of electrical equipment:
7. Outdoor/Indoor structural sheet: Hot dip galvanized in accordance with IS:2629.



8. Nuts, bolts, screws, washers and springs: steel components shall be cadmium/zinc/chromium plated. Brass, phosphor bronze and other non-ferrous material shall be electro-tinned/chromium plated. Springs shall be of stainless steel or phosphor bronze.
9. Insulating materials, Class F or better.
10. Wood shall not be used except where specifically noted in the Enquiry Specification.
11. MI flanges shall be drilled in accordance with equipment of IS: 1538.
12. All flanges shall be flat faced and shall be full or spot faced on the back side.
13. Castings and fabricated materials shall be finished smooth all over.
14. All Carbon Steel fasteners used shall be electro-galvanized.

C. QUALITY AND WORKMANSHIP

All equipment shall be new and of first quality.

All identical items of the Plant and their component parts shall be completely interchangeable. Spare parts shall be manufactured from the same materials as the original parts and shall fit all identical items.

All equipment shall operate without excessive vibration and with minimum noise. All revolving parts shall be truly balanced.

D. INDUCTION MOTORS

Design Requirements

The motors shall generally conform to IS:325 Additionally the specific requirements mentioned in the following clauses shall also be met.

Make	-	Kirloskar
Type	-	SPDP (Slip ring)
RPM	-	1500
Cap	-	200 KW
Insulation	-	Class-F

Performance and Characteristics

- a. Motors shall be capable of giving rated output without reduction in the expected life span when operated continuously under the following supply conditions.

	<u>Supply condition</u>
(i) Variation in voltage	±10%
(ii) Variation in supply frequency	±5%
(iii) Combined voltage and frequency variation	10%

- b. Motors shall be suitable for full voltage OSR/ A type starter.
- c. Motors shall be capable of starting and accelerating the load with the applicable method of starting, without exceeding acceptable winding temperatures, when the supply voltage is 85% of the rated voltage.
- d. The locked rotor current (subject to tolerance as per the applicable standard) unless otherwise specified.
- e. The guaranteed performance of the motor shall be met with tolerance specified in applicable standard.

Insulation

All joints in the motor insulation such as coil connection or between slot and end winding sections, shall have strength equivalent to that of the slot sections of the coil. The insulation shall be given tropical and fungicidal treatment for successful operation of the motor in hot, humid and tropical climate.

The motors shall be provided with Class F insulation with temperature rise limited to that class F insulation.



BEARINGS

- a) Greased ball bearings or roller bearings shall be of reputed make (S.K.F make).
- b) The bearing shall be so constructed that the loss of lubricating fluid is kept to a minimum and greasing shall be possible without any dismantling operation.

25. Operational Guarantee:

After commissioning & testing the machineries the selected tenderer will have to take guarantee of the work for one year. Any defect arises during one year will have to be rectified by the tenderer at his own cost.

26. Arbitration:

Any dispute or difference arising out during execution of work which cannot be amicably settled within 30 days including those considered as such by only one of the parties, shall be finally settled at Guwahati Development Department of Govt. of Assam under the provision of India Arbitration and conciliation Act 1996 and the rules made there under amended from time to time. The decision of the Arbitration shall be final and binding on both the parties. The resulting award shall be in lieu of any other remedy other works those are not related to arbitration shall not be hampered during the process of Arbitration.

DOCUMENTS, INFORMATION TO BE SUBMITTED WITH TENDER:

1. Complete tender document including all annexure and forms duly filled in, signed and putting seal on each page.
2. Earnest Money deposit as per NIT.
3. Details of work of completed RELEVANT TO SIMILAR NATURE OF WORK. As per Form-1 of tender document. As a proof, copies of work order and completion certificates indicating actual executed value and actual date of completion) must be submitted by the bidders.
4. Details of construction plant and equipments available in Form-2 of the tender document which the tenderer proposed to use for this work
5. Information about tenderer.
6. Photo copy of VAT registration / clearance certificate duly attested by a Gazetted Officer.
7. Photo copy of PAN card (duly attested by Gazetted officer).
8. Photo copy of valid cast certificate (*in case of SC & ST tenderer*) along with the tender duly attested by a Gazetted officer.
9. Any other information /document required as per tender document.



NOTIFICATION OF AWARD OF CONTRACT, AGREEMENT ETC.

In case the tender is accepted, GMC will notify the successful tenderer by issuing a Preliminary work order in writing. The Tenderer shall have to accept the PWO and require to submit the contract agreement with the Commissioner G.M.C. in GMC's F2 form of Agreement along with other terms and condition as per NIT in duplicate within the time specified therein after signing and putting seal on each page as a token of acceptance of the award and execute the contract within the stipulated time. Completion period shall, however, be counted from the date of issue of Formal work order.

Failure of the tenderer bidder to comply with the requirements of this article shall constitute sufficient grounds for termination of the order/contract and forfeiture of the Earnest Money Deposit.

The whole work may be split up between more than one contractor or may be accepted in part at the discretion of GMC. Quoted rates should hold good for such eventualities.

Contractor shall be responsible for safe custody of their materials and GMC shall in no way, be held responsible for any damage/theft/loss of contractor's materials stored at the designated places.

**Commissioner,
Guwahati Municipal Corporation,
Guwahati.**



CONTRACTOR'S BID

To,

**The Commissioner,
Guwahati Municipal Corporation, Guwahati,
Panbazar, Guwahati.
Assam -781 001.**

SUB:- Supply & installation of one no. multistage raw water pump at Kamakhya Intake Point to be fitted with existing motor (2nd stage pumping station) including supply & installation of fully automatic star delta starter of 250 H.P. capacity.

Ref: - Detailed Tender Notice no GWS/..... dt.

Sir,

Having examined the bidding documents, I / We offer to execute the works described above in accordance with the Conditions of Contract, Specifications, Drawing and Bill of Quantities accompanying this Bid for the Contract Price of [in figures]
..... [in letters].

This Bid and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Bid you receive.

I / We hereby certify that I / We have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

I / We also undertake that, in completing for (and, if the award is made to us, in executing) the above contract, I/ We will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

I / We Undertake, if our tender is accepted, to commence the works as soon as is reasonably possible after the receipt of notice to commence, and to complete the whole of the works comprised in the Contract within the time stated in NIT.

I / We agree to abide by this tender and it shall remain binding upon us.

I / We hereby confirm that this Bid complies with the Eligibility, Bid Validity and Bid Security (E.M.) required by the Bidding documents.

I /We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this Day of

Yours faithfully,

Authorised Signature:-

Name & Title of Signatory:-

Full Name of Bidder (IN BLOCK LETTER):-

Address:-

N.B. Overwriting will be out rightly rejected.



BILL OF QUANTITIES

NAME OF WORK:- Supply & installation of one no. multistage raw water pump at Kamakhya Intake Point to be fitted with existing motor (2nd stage pumping station) including supply & installation of fully automatic star delta starter of 250 H.P. capacity.

Sl. No.	Item	Qty	Rate (in Rs.)	Amount (in Rs.)
1.	Supply, installation, testing & commissioning of pump as per following specification with existing motor and base plate Make -- Kirloskar Type -- Horizontal Multistage Model -- RKB 125/27 RPM/Pole -- 1500/4 Stages -- 10 Discharge -- 150 M ³ / hour Head -- 220 mtr. M.O.C. -- Pump Casing – CI Impeller -- CF8M (2% NICKEL) Shaft -- CS40C8 Shaft Sleeves -- SS410	1 no.	7,70,000.00 (Based on Company's price list)	7,70,000.00
2.	Installation of pump set at Kamakhya Intake Point with following specific requirement :- <ul style="list-style-type: none"> Carrying of pump & accessories by mechanize country boat from Kasomari Ghat or suitable river port to Kamakhya Intake (2nd stage pumping station) Modification of existing base plate, foundation, dismantling of existing suction and delivery pipe line and refitting the same with the new pump, making (boring) hole on existing coupling as per size of shaft of new pump, cutting of key slot, fitting of coupling with motor by lovejoy joint as required & as directed by the department. Testing and commissioning. 	1 job.	47,000.00 (As per analysis rate)	47,000.00
3.	Supply of fully automatic star delta starter of 250 H.P. (L&T/ Crompton Greaves/ Schneider make) Motor rating AC-3 Ph, Duty -(+)(-) 415 V, 50 Hz. for 220 H.P. motor (at 2 nd stage of pumping station of Kamakhya Intake Point)	1 no.	1,43,545.00 (Based on Company's price list)	1,43,545.00
4.	Labour charge for changing fitting fixing of starter of different size including making the connection d. 110 H.P. to 220 H.P.	1 no.	2,500.00 (Schedule of approved rate of 14-15)	2,500.00
5.	Cable socket soldering or clamping with cutting of cable & supply of required size and type of socket (lug) including providing of all required materials like acid rang etc. or clamping machine whatever necessary and connecting to the machineries. e. 150 H.P. to 220 H.P.	24 nos.	400.00 (Schedule of approved rate of 14-15)	9,600.00
(Rupees Nine Lakhs Seventy Two Thousand Six Hundred Forty Five) only.			Total Rs. 9,72,645.00	

In Word:-

CHECK LIST

Please tick <input checked="" type="checkbox"/> in appropriate box	<u>Yes</u>	<u>No</u>
1. All pages of document signed	<input type="checkbox"/>	<input type="checkbox"/>
2. Tender Fee	<input type="checkbox"/>	<input type="checkbox"/>
3. Tender Document Fee	<input type="checkbox"/>	<input type="checkbox"/>
4. E.M. in shape of Bank Draft / Call Deposit	<input type="checkbox"/>	<input type="checkbox"/>
5. Photocopy of PAN Card	<input type="checkbox"/>	<input type="checkbox"/>
6. Rate quoted as per format	<input type="checkbox"/>	<input type="checkbox"/>
7. Experience Details (Form-1) Submitted with experience certificate from respective department.	<input type="checkbox"/>	<input type="checkbox"/>
8. Equipment Detail (Form-2)	<input type="checkbox"/>	<input type="checkbox"/>
9. Audited Balance Sheet indicating Annual Turn Over for the year	<input type="checkbox"/>	<input type="checkbox"/>
a. 2012 - 2013	<input type="checkbox"/>	<input type="checkbox"/>
b. 2013 - 2014	<input type="checkbox"/>	<input type="checkbox"/>
c. 2014 - 2015	<input type="checkbox"/>	<input type="checkbox"/>
10. Solvency Certificate	<input type="checkbox"/>	<input type="checkbox"/>



Information About Tenderers

(To be furnished with Tender)

1. In case of Individual:

- 1.1. Name of business :
- 1.2. Whether his business is registered. :
- 1.3. Date of commencement of business. :
- 1.4. Whether he pays Income Tax :
- 1.5. Age of the tenderer :

2. In case of Partnership firm:

- 2.1. Names & ages of Partners :
- 2.2. Whether the Partnership is registered. :
- 2.3. Date of establishment of firm :
- 2.4. If each of the partners of the firm pays income tax or not, who of them pays the same. :

3. In case of Limited Liability Company:

Company or Company Limited by Guarantees

- 3.1. Amount of paid up capital :
- 3.2. Name of Directors :
- 3.3. Date of Registration of Company. :
- 14.4. Annual Reports /Copies of audited Balance Sheets of the Company of the last three years. :

4. PAN of Tenderer :

Signature of Tenderer
Name and Address of the tenderer.



FORM-1

EXPERIENCE DETAILS

DETAILS OF SIMILAR WORKS COMPLETED BY THE TENDERER IN THE LAST 3 (THREE) YEARS.

Sl. No.	Full particulars of work carried out by the tenderer	Value of contract	Completion time as stated in the tender	Actual date of completion	Actual Executed Value	Name and Postal Address of Client

Copy of work order (s), Completion Certificate etc. in support of the above are attached.

[Signature of Tenderer]

Name and Address of the Tenderer



FORM - 2

EQUIPMENTS DETAILS AT THE DISPOSAL OF TENDERERS.

MACHINERIES	NUMBER	MAKE	CAPACITY	OWNED	HIRED
1. Electrical Welding machine					
2. Generator set					
3. Pipe Wrench of difference size					
4. Chain ton of difference size					
5. Pulling & lifting machine.					
6. Different machine for electrical checking					
7. Any other machine related to fitting fixing of pump set and different size pipes (please specify)					

[Signature of Tenderer]

Name and Address of the Tenderer

