

CONTRACT NO.

**GUJARAT WATER INFRASTRUCTURE LIMITED
GANDHINAGAR**



Bid Documents for Supply, Installation, Testing & Commissioning of 700 KW, 989 RPM, 6.6 KV HT 3-Phase Induction Motor compatible to existing base frame of Wilo make HSCF Pump installation with suitable Coupling & other required accessories including Insurance, Transportation, Loading, Unloading, Inspection charges etc. complete for NC-6, Khirai Pumping Station, Tal-Maliya, Dist-Morbi

Estimated Cost:- Rs. 37,98,020.00

VOLUME- II

VOLUME - IIA, Extent of Works

**Chief General Manager (Project)
Gujarat Water Infrastructure Limited
1st floor Block - 1, Jivraj Mehta Bhavan, Sector-10 Gandhinagar,
Gujarat - 382015**

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EXTENT OF WORK

Chief General Manager (Project)

Gujarat Water Infrastructure Limited

1st floor Block - 1, Jivraj Mehta Bhavan, Sector-10 Gandhinagar,

Gujarat - 382015

EXTENT OF WORKS

1.0 GENERAL:

- This is a single point responsibility contract comprising Works for **Supply, Installation, Testing & Commissioning of 700 KW, 989 RPM, 6.6 KV HT 3-Phase Induction Motor compatible to existing base frame of Wilo make HSCF Pump installation with suitable Coupling & other required accessories including Insurance, Transportation, Loading, Unloading, Inspection charges etc. complete for NC-6, Khirai Pumping Station, Tal-Maliya, Dist-Morbi**
- The Scope of Work under this Contract includes the Design, Engineering, Manufacture, Supply, Inspection and testing at works, Packing and forwarding, Delivery to site, Unloading, Handling, Safe Storage, Insurance, Erection, Installation, Testing, Trial Run, Commissioning and Demonstration of Performance Guarantee Parameters, Handing over, Training of Owner's personnel, Preparing "As Built drawings" for executed work as specified in different sections of this specification. The scope broadly comprises the work specified in different sections of this Tender Specifications.
- **As the job is procurement of new motor for existing pumps (for fitting on existing pump frame), The successful bidder shall have to undertake site surveys for planning, & and installation in consultation with Engineer-in-charge.**
- Mechanical, electrical works shall include design, manufacture, performance testing at manufacturer's works, painting, supply, delivery at site, storage at site, installation / erection, testing and commissioning at site, final painting and handing over.
- Before starting the actual work, the contractor has to provide and fix necessary DISPLAY BOARDS at all works site as per design, details, including writing with paints necessary details as directed by Engineer-in-charge at Contractor's own cost. No extra payment shall be made for this work. These shall be property of GWIL / Client after completion of works.

2.0 SCOPE OF WORK : (Overall Project View)

Supply, Installation, Testing & Commissioning of 700 KW, 989 RPM, 6.6 KV HT 3-Phase Induction Motor compatible to existing base frame of Wilo make HSCF Pump installation with suitable Coupling & other required accessories including Insurance, Transportation, Loading, Unloading, Inspection charges etc. complete for NC-6, Khirai Pumping Station, Tal-Maliya, Dist-Morbi

3.0 Civil Works : Not Applicable

4.0 Electro - Mechanical Works :

Supply, Installation, Testing & Commissioning of 700 KW, 989 RPM, 6.6 KV HT 3-Phase Induction Motor compatible to existing base frame of Wilo make HSCF Pump installation with suitable Coupling & other required accessories including Insurance, Transportation, Loading, Unloading, Inspection charges etc. complete for NC-6, Khirai Pumping Station, Tal-Maliya, Dist-Morbi

Existing Wilo make pumps detailed below.

Pump type	Capacity	Head	Kw	Rpm	W+S
HSCF	3060 m3/hr	61 m	700	989	6W+2S

Operation & Maintenance: Nil

Sr. No.	Particular	Months
1	Project to be covered for trial run	01
2	Operation & maintenance after completion of the project	00
3	Defect liability period	12

- The scope includes design, engineering, supply, installation, testing and commissioning of Suitable Pumping machinery as specified in the price-bid with required electrical, mechanical & instrumentation accessories included in the scope of the tender.
- Scope of Work also includes the Design, detailed engineering, preparation of construction drawings, manufacture, acceptance testing and inspection at places of manufacturer, painting, supply, packing, forwarding, and delivery to site including transit insurance, storage at site, installation/erection, final painting, testing and commissioning of the electrical & instrumentation equipment's adhering to the standards, regulatory requirements & best engineering practices.
- Contractor has to design and submit design report of motor with all necessary drawings for approval from GWIL.
- Installation, testing & commissioning of the above equipment & accessories.
- Submission of data sheets, QAP, GA drawing, cross section drawing, layout drawings of all equipment and to get approval of same.

Signature of contractor

Sr. Manager GWIL,Morbi