

NOTIFIED AREA AUTHORITY, PANOLI



NAME OF WORK: Supply, Installation, Testing & Commissioning of Complete Fire Hydrant System including Pump House, Hydrant Network, Fire Alarm System, Accessories and Fire NOC @ NA GIDC Panoli. (Re-invite)

Tender Notice No. 01 of 2026-2027 Tender Sr.No.01

VOLUME -I: TECHNICAL AND PRICE BID

ONLINE TENDER PAPERS

1	Estimated cost	:	Rs.14,34,978.00
2	Tender fee Basic 900 + 18 % GST	:	Rs.1,062.00
3	E.M.D.	:	Rs.14,349.00
4	Last date on (or before) which the tender along-with DD / FDR for Tender fees & EMD (by scanning) and other required documents must upload on the web site of www.tender.nprocure.com www.nprocure.com www.statetenders.gujarat.gov.in	:	From 10/06/2026 to 29/06/2026 up to 17.00 hours
5	Date on (or before) which DD/FDR in original for Tender fee& EMD and other required documents must reach in the office of the Chief Officer Notified Area Authority, Plot No. Plot No-409/C, Nr. Fire Station Building, GIDC, Panoli.	:	From 30/06/2026 to 01/07/2026 Up to 17.00 hours during working days only.
6	Pre-Bid Meeting	:	NA
7	Eligible class of Registered	:	Contractor having valid E-2 class or above registration or experience of similar type of work.

CHIEF OFFICER NOTIFIED AREA, GIDC, PANOLI

Plot No-409/C, Nr. Fire Station Building, GIDC, Panoli.

E-Mail: - naofficerpanoli@yahoo.com

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

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Signature of Contractor

Chief Officer,
Notified Area, Panoli.

MEMORANDUM OF WORK IN BRIEF

1)	Name of work: - Supply, Installation, Testing & Commissioning of Complete Fire Hydrant System including Pump House, Hydrant Network, Fire Alarm System, Accessories and Fire NOC @ NA GIDC Panoli. (Re-invite)
2)	Estimated cost put to tender: Rs.14,34,978.00 (Fourteen Lacs Thrity Four Thousand Nine Hundred Seventy-Eight Only)
3)	Tender Fees: - Rs. 1,062.00 By DD (Rs. One Thousand Sixty-Two Only) Earnest Money Deposit (EMD): - 14,349.00 (Fourteen Thousand Three Hundred Forty-Nine Only) Payment of EMD Rs.14,349.00 in the form of Demand Draft or FDR with a validity period of not less than 120 days of a Nationalized or Scheduled bank or as Narmada/Shrinidhi F.D.R.'s drawn in favour of Chief Officer Notified Area, Panoli Plot No-409/C, Nr. Fire Station Building, GIDC, Panoli.
4)	Validity period of tender offer: - 120 days from the last date of opening of Technical Bid with PQ
5)	Security Deposit Initial Security Deposit shall be in the form of Small Saving Certificate (NSC), SSNNL bonds or DD/FDR of Nationalized Banks / Scheduled banks - AXIS, ICICI, HDFC, IDBI banks & equivalent to 2.50% of Estimate cost in favor to Chief Officer, Notified Area, Panoli. and remaining 2.50% of Estimate cost shall be deducted from the running account bills as Security Deposit. Initial 2.5% Security deposit shall be released after 15 days of completion of work and remaining 2.5% security deposit shall be released after completion of defect liability period.
6)	Free Maintenance Bank Guarantee Bond Amount equivalent to 5% of estimate cost to be paid as Maintenance Guarantee Bond in the form of B.G. of Nationalized Bank only or N.S.C./F.D./S.S.N.N.L. in the favor of the Chief Officer Notified Area Panoli. For validity of 24 (Twenty-Four) months to be paid from the date of actual completion of the work.
7)	Performance Bond of Initial Security Deposit shall be in the form of Small Saving Certificate (NSC), SSNNL bonds or DD/FDR of Nationalized Banks / Scheduled banks - AXIS, ICICI, HDFC, IDBI banks & equivalent to in the favor of the Chief Officer, Notified Area, GIDC, Panoli N. A
8)	Defect liability period 1 years from the actual date of completion of work.
9)	Free Maintenance guarantee period 1 years from the actual date of completion of work.
10)	Agreement B-1 Agreement
11)	Contract Period: 04 months From the date of written order to commence the work.

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

12)	Workers Welfare Cess Under the Building & Other Construction Workers Cess Act 1996 (Labour Cess)	
	1% of the value of work done shall be deducted from the all-bills payable to the contractor.	
13)	Taxes: GST will be paid extra as per Government Norms.	
	Schedule of E-Tendering: -	
14)	Last date on (or before) which the tender along-with DD / FDR for Tender fees & EMD (by scanning) and other required documents must upload on the web site of www.tender.nprocure.com	From 10/06/2026 to 29/06/2026 up to 17.00 hours
	Date on (or before) which DD/FDR in original for Tender fee & EMD and other required documents must reach in the office of the Chief Officer Notified Area, GIDC, Plot No.409/C, Nr. Fire station, Panoli.	From 30/06/2026 to 01/07/2026 Up to 17.00 hours during working days only.
iii)	Mode of sending the tender documents.	
	a) The tender with DD for Tender fee & DD / FDR (by scanning) required documents	By Online through e - tendering process
	b) The tender with DD for Tender fee & DD / FDR and BG (Bank Guarantee) for EMD in original with required documents	By RPAD or Speed Post or Hand Delivery to Office of the Chief Officer, Notified Area, Panoli, Plot No-409/C, Nr. Fire Station Building, GIDC, Panoli.394116
15)	Opening of Technical bid	Dt. 01/07/2026 @ 18.00 Hrs.
16)	Important Note: -	<ul style="list-style-type: none"> ❖ Rates quoted by the agency is Including of all taxes & excluding of GST will be paid separately. ❖ Notified area reserves the right, without any obligation or liability, to accept or reject any or all the bid at any stage of the process, to cancel or modify the process or any part thereof or to vary any of the terms and conditions at any time, without assigning any reason whatsoever. ❖ Contractor having valid E-2 class or above registration or experience of similar type of work. ❖ Submite the required documents online duly named and page numbered in proper manner for simplicity.
17)	Contact Person	<ol style="list-style-type: none"> 1. Shri R R Kushwaha Chief Officer, Notified Area, Panoli Mo. No. 9879937440 2. Shri N.M. Nisarta DEE(M&E), GIDC, Ankleshwar Mo. No. 9909035375

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

<p>પાનોલી નોટિફાઇડ વિસ્તાર</p> <p>મુખ્ય અધિકારીશ્રી ની કચેરી</p> <p>નિવિદાન. ૦૧/૨૦૨૬-૨૭</p>		
<p>મુખ્ય અધિકારી, નોટિફાઇડ એરીયા જીઆઇડીસી પાનોલી પ્લોટ નં.૪૦૯/સી, ફાયર સ્ટેશન બિલ્ડિંગ, જીઆઇડીસી, પાનોલી વિભાગ તરફ થી જીઆઇડીસી, ગુજરાત રાજ્ય જાહેર બાંધકામ વિભાગ, હાઉસીંગ બોર્ડ અને જાહેર આરોગ્ય ખાતા ની યોગ્ય શ્રેણીમાં નોંધાયેલ યાદીનાં કોન્ટ્રાક્ટરો પાસે થી રોડ,લાઇટ,ફાયર,પાણી પુરવઠા,ફર્નિચર તથા ડ્રેનેજને લગત કામો નાં ટેન્ડરો મંગાવવામાં આવેલ છે.</p>		
અ.નં ૦૧-૦૨	ઓન લાઇન ટેન્ડર	આ ટેન્ડર ફક્ત ઓન લાઇન તા.૧૦/૦૬/૨૦૨૬ થી ૨૯/૦૬/૨૦૨૬ ના ૧૭-૦૦ કલાક સુધી વેબ સાઇટ https://tender.nprocure.com ઉપરજ મોકલવા.
અ.નં-૦૧-૦૨	ઓફ લાઇન ટેન્ડર	આ ટેન્ડર ફક્ત ઓફ લાઇન તા.૧૦/૦૬/૨૦૨૬ થી ૧૮/૦૬/૨૦૨૬ ના ૧૭-૦૦ કલાક સુધી ચીફ ઓફીસર, નિર્દિષ્ટ વિસ્તાર, જીઆઇડીસી, પાનોલીથી લઈ લેવાં..
<p>- આ કામના ઓનલાઇન ટેન્ડર પેપર તથા બીજા દસ્તાવેજી પુરાવા, બાનાની રકમ, ટેન્ડર ફી, રજીસ્ટ્રેશનની કોપી વિગેરે તા.૩૦/૦૬/૨૦૨૬ થી તા.૦૧/૦૭/૨૦૨૬ ના ૧૭:૦૦ કલાક સુધીમાં બાય સ્પીડ પોસ્ટ/કુરિય થી મળે તે રીતે ચીફ ઓફીસર, નિર્દિષ્ટ વિસ્તાર, જીઆઇડીસી, પાનોલીની કચેરીને મોકલવા. ટેન્ડર ઓપનીંગ તા.૦૧/૦૭/૨૦૨૬ રોજ ૧૮:૦૦ કલાકે ખોલવામાં આવશે. તથા ઓફલાઇન ટેન્ડર પેપર તથા બીજા દસ્તાવેજી પુરાવા, બાનાની રકમ, ટેન્ડર ફી, રજીસ્ટ્રેશનની કોપી વિગેરે તા.૧૮/૦૬/૨૦૨૬ થી તા.૨૦/૦૬/૨૦૨૬ ના ૧૭:૦૦ કલાક સુધીમાં બાય સ્પીડ પોસ્ટ/કુરિય થી મળે તે રીતે ચીફ ઓફીસર, નિર્દિષ્ટ વિસ્તાર, જીઆઇડીસી, પાનોલીની કચેરીને મોકલવા. ટેન્ડર ઓપનીંગ તા.૧૮/૦૬/૨૦૨૬ ના રોજ ૧૧:૦૦ કલાકે ખોલવામાં આવશે</p> <p>- આ કામ ની નિવિદા ઓફીસનાં નોટીસ બોર્ડ ઉપર તેમજ www.tender.nprocure.com/ www.statetenders.gujarat.gov.in માં જોવા મળશે.વધુ માહિતીની જરૂરીયાત હોય તો ચીફ ઓફીસર નોટિફાઇડ એરીયા જીઆઇડીસી પાનોલી (ફોન ૦૨૬૪૬-૨૭૨૭૪૭) ખાતે કામકાજ ના સમય દરમિયાન મેળવી શકશે.</p> <p style="text-align: right;">સહી/-</p> <p style="text-align: right;">મુખ્ય અધિકારી, નિર્દિષ્ટ વિસ્તાર અધિકારી, જીઆઇડીસી, પાનોલી.</p>		

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

PANOLI NOTIFIED AREA OFFICE OF THE CHIEF OFFICER, E-TENDER NOTICE No. 01 of 2026-27		
Notified Area Office, Plot No. 409/C, Fire Station Building, Near Police Chowki GIDC, Panoli are invited tenders from Gov. registered contractors.		
Sr. No. 01-02	Online Tender	Online tender from https://tender.nprocure.com uploaded to the same site on or before last date of downloading and uploading Online tender dated.10/06/2026 to 29/06/2026 up to 17.00
Sr. No.-03	Offline Tender	Offline tender dated.10/06/2026 to 18/06/2026 up to 17.00 Collect from office of the Chief officer Notified Area GIDC Panoli Plot No.409/C GIDC Panoli
<ul style="list-style-type: none"> - Online tender documents submit to the Chief officer Notified Area GIDC Panoli, Plot No.409/C GIDC Panoli on or before 01/07/2026 till 17:00 Hrs. documents & other document EMD, Tender Fee, Registration copy will be sending this office from 30/06/2026 to 01/07/2026 up to 17:00 hrs. Tender opening on Dt. 01/07/2026 at 18:00 Hrs. And Offline tender documents submit to the Chief officer Notified Area GIDC Panoli, Plot No.409/C GIDC Panoli on or before 20/06/2026 till 17:00 Hrs. documents & other document EMD, Tender Fee, Registration copy will be sending this office. Tender opening on Dt. 20/06/2026 at 18:00 Hrs. - Tender notice will be seen on this office notice board and web site www.tender.nprocure.com and www.statetenders.gujarat.gov.in. 		
<p style="text-align: right;"> Sd/- Chief Officer, Notified Area Authority GIDC, Panoli. </p>		

Signature of Contractor

Chief Officer,
 Notified Area, Panoli.

E-TENDER NOTICE No. 01 of 2026-27**NOTIFIED AREA AUTHORITY, GIDC, PANOLI**

- Online & offline tender is invited for the following work from the eligible contractors. This tender notice can be viewed on Website: www.tender.nprocure.com www.statetenders.gujarat.gov.in the work at Sr. No. 01-02 are online and tender can be downloaded from website, www.tender.nprocure.com www.statetenders.gujarat.gov.in uploaded to the same site on or before last date of down loading and uploading 10/06/2026 to 29/06/2026. Online tender documents & other document EMD, Tender Fee, Registration copy will be sending this office from 30/06/2026 to 01/07/2026 up to 17:00 hrs. Tender opening on Dt. 01/07/2026 at 18:00 Hrs. And work at Sr. No. 03 is offline tender documents submit to the Chief officer Notified Area GIDC Panoli, Plot No.409/C GIDC Panoli on or before 20/06/2026 till 17:00 Hrs. documents & other document EMD, Tender Fee, Registration copy will be sending this office. Tender opening on Dt. 20/06/2026 at 18:00 Hrs. & When Opening of Price BID Notified Area Authority, P
- anoli will intimate date to all Pre-Qualified Bidders. No exemption certificate regarding earnest money shall be accepted. The amount of EMD to be paid should be in the form of demand draft or FDR for more than 180 days of Nationalized / Scheduled Banks and ICICI, IDBI, HDFC & Axis Banks in favour of Chief Officer, NA, GIDC, Panoli. Any conditional tender shall not be accepted. However, the Same shall be deposited to the Govt. Treasury by the tenderer only at his sole responsibility.

Sr. No.	Name of work	1. Estimated cost Rs. 2. E.M.D. Rs. 3.Tender Fee Rs. (incl. GST)	Class of Registration
ONLINE TENDER			
1	Supply, Installation, Testing & Commissioning of Complete Fire Hydrant System including Pump House, Hydrant Network, Fire Alarm System, Accessories and Fire NOC @ NA GIDC Panoli. (Re-Invite)	Rs.14,34,978.00 Rs.14,349.00 Rs.1,062.00	Contractor having valid E-2 class or above registration or experience of similar type of work.
2	Request for Proposal (RFP) for consulting of municipal solid waste site to do development, processing & monitoring at NA GIDC Panoli.	Rs.0.00 Rs.1,00,000.00 Rs.2,832.00	As per tender documents.
OFF-LINE TENDER			
1	Supply of Hitachi @ NA, GIDC, Panoli.	Rs.4,96,920.00 Rs.4,969.00 Rs.708.00	E-2 class or above registration.
2	ARC (Annual Rate Contract) for the work of "CCTV Surveillance System" along with software and mobile app and all types of allied accessories @Notified Area Authority GIDC Panoli.	Rs.4,99,662.00 Rs.4,996.00 Rs.708.00	Experience in similar types of work.
Note: - 1. Any conditional tender shall not be accepted. 2. Right to reject any or all the tenders / work without assigning any reasons thereof are reserved by Chief Officer, Notified Area, GIDC, Panoli 3. Rates quoted by the agency is excluding of GST will be paid separately.			
Sd/- Chief Officer, Notified Area. GIDC, Panoli.			

Signature of Contractor

 Chief Officer,
 Notified Area, Panoli.

- (B) DETAILS TO BE FURNISHED ALONG WITH APPLICATION:
 Interested Bidders can view these tender documents on line, but bidders who are interested in bidding these tenders can download tender documents from web site as mentioned above and bidder who wish to submit their offer shall pay non-refundable tender fee in the form of Account payee Demand Draft payable at Panoli drawn on any Nationalized / Scheduled bank in favour of Chief Officer, Notified Area, GIDC, Panoli & EMD in the form of Account Payee Demand Draft payable at Panoli drawn on any Scheduled / Nationalized Bank in favour of Chief Officer, Notified Area, GIDC, Panoli.
 The intending bidders have to submit the following documents also, along with the tender fee & EMD (in physical form) by personally i.e., by speed post/courier/hand delivery.
1. Registration certificate of Approved contractor in respective category for the work.
 2. Fresh Bank Solvency Certificate (2025-26) (20% value of Estimated cost put to tender)
 3. Latest Income Tax Return filed & Pan card details.
 4. GST Registration & RPFC Registration certificate.
- (C) GENERAL:
1. Intending bidders or their representative who wish to remain present at the time of tender opening can do so.
 2. Tenderer shall submit their offer in electronic format online only, after digitally signing the same.
 3. Offers which are not digitally signed will not be accepted.
 4. No Offer in physical form except specified documents will be accepted.
 5. Conditional tender shall not be accepted.
 6. Scanned copied of DD for tender fee & EMD shall submit in electronic format through online (by Scanning) while uploading bid.
 7. Rules of GIDC/NAO as well as committee of Board of Management Notified Area, Panoli are binding to the tenderer.
 8. Tenders without tender fee, Earnest Money Deposit (EMD) and other required documents specified above which do not fulfill all or any of the condition or submitted incomplete in any respect will be rejected.
 9. Conditional tender shall not be accepted.
 10. The internet site address for e-tendering is <http://www.nprocure.com> and that corporate web site is www.nprocure.com.
 11. Chief Officer, Notified Area, Panoli reserves the rights to reject any or all tenders without assigning any reason thereof.
- Sd/-**
Chief Officer
NA, GIDC Panoli

Signature of Contractor

Chief Officer,
 Notified Area, Panoli.

BIDDER

1) Tender Notice:

The tender notice can be seen from the Web site of www.tender.nprocure.com

Down loading of Tender Document:

Tender documents for downloading will be available on Web site of www.tender.nprocure.com
Bidders wishes to participate in this tender will have to register on web site of www.tender.nprocure.com.

2) Digital Certificate:

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 be contact (n) Code Solution, G.N.F.C. Ltd., who are licensed Certifying Authority by the Government of India. All bids should be digitally signed, for details regarding Digital signature certificate & related training involved the below mentioned address should be contacted:

(n) Code Solutions

A Division of G.N.F.C.

301, G.N.F.C. Info tower, Boadkdev, Ahmedabad- 380054 (India)

Tel. No. 9126857316/17/18, Fax No. 917926857321

E-mail – <https://gidc.nprocure.com>.

Bidders who already have a valid Digital certificate need not procure a new Digital certificate.

3) Online Submission of tender with DD for Tender fee & EMD (by scanning):

Bidders can prepare and edit their offers numbers of time before tender submission date & time. After tender submission date & time, tenderer cannot edit their submitted offer in any case. No written or online request in this regard shall be granted. Tenderer shall submit their offer in electronic format on above-mentioned web site on or before submission date & time of online tender shown above after digitally signing the same.

Scanned copies of DD for tender fee & EMD shall also submit in electronic format through online (By scanning) while uploading the bid. This submission shall mean that tender fee & EMD are received. For the purpose of realization of D.D. bidder shall send the D.D. in original through "Hand Delivery/Currier/RPAD"

Offers submitted without digitally signed will not be accepted.

Offers in physical form will not be accepted in any case.

The Bidder shall have to submit unconditional offer without differing from any of the tender condition.

Offers submitted without tender fee, EMD & other required documents will not be accepted.

4) Submission of Tender fee, EMD, (DD/FDR/BG in original) and other required documents by Hand Delivery/Currier/RPAD:

Non refundable tender fee of **Rs.1,062.00** shall be paid in the form of Account Payee Demand Draft payable at **Chief Officer, Notified Area, Panoli**, drawn on any Nationalized Bank favour of **Chief Officer, Notified Area, Panoli**. DD issued after the last date of submission of tender will not be considered as valid or accepted in any case.

Earnest Money Deposit (EMD) as mentioned in the Memorandum of work in brief attached herewith shall be paid in the form of D.D. / F.D.R /BG for the minimum period of 120 days in favour of "**Chief Officer, Notified Area, Panoli** " payable at **Panoli** from any Nationalized. DD/FDR/BG issued after the last date of submission of tender will not be considered as valid or accepted in any case.

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

5) Other required documents as mentioned below: -

- 6.1)** Registration Certificate of approved/short listed Agencies of Govt. Dept. GIDC & Others semi-Govt. Dept. Approved.
- 6.2)** Manufacturer/Fabricator/ /Similar type of work experience/ Authorized dealer.
- 6.3)** Latest Bank solvency certificate in the name of Chief Officer, Notified Area, GIDC, Panoli for current year. (20% value of Estimated Cost put to Tender)
- 6.4)** Partnership deed / Power of Attorney with certificate of registration of Firm. (In case of Partnership Firm)
- 6.5)** Latest Income Tax Return filed & PAN Card details.
- 6.6)** Fresh Certificate of authorization as per requirements along with experience certificates for respective work.
- 6.7)** Turnover of last 3 years certified by C.A.
- 6.8)** ESI Code No. W.C. Policy GST, & R.P.F.C. registration certificate.
- 6.9)** Details of work on hand.

6.10) Minimum Pre-Qualification Criteria for work experience contractor:

Bidder must have experience of successfully completed similar works during last seven years ending last day of month previous to one in which applications are invited be either of the following.

“Three similar completed works having **updated** costing not less than the amount equal to 40% of the estimated cost.” i.e. Rs.5.73 Lakh.

OR

“Two similar completed works having **updated** costing not less than the amount equal to 50% of the estimated cost.” i.e. Rs.7.17 Lakh.

OR

“One similar completed work having **updated** costing not less than the amount equal to 80% of the estimated cost.” i.e. Rs.11.47 Lakh.

Prescribed self evaluation form attached with tender document duly signed by agency.

- 6.11)** Bidder shall have to submit DD in original for tender fee, DD/FDR/BG in original for EMD and required documents as mentioned above in physical form so as to reach GIDC office on Date & Time shown above during office Hours at Chief Officer, Notified Area, Plot No. 409/C, Nr. Fire Station Building GIDC Panoli.
- 6.12)** Tender Fee, EMD & these documents will be received by the Chief Officer, Notified Area, Plot No. 409/C, Nr. Fire Station Building GIDC Panoli-394116 on office working days
- 6.13)** The documents received before or after the time specified in the tender notice shall not be accepted in any case and the bid of that bidder shall be considered non-responsive. All documents should be submitted without any conditions.

6) Opening of Tender:

- 7.1)** Opening of bid documents will be held on date & time shown above in the office of Chief Officer, Notified Area, Plot No. 409/C, Nr. Fire Station Building GIDC Panoli-394116.
- 7.2)** Intending bidders or their representative who wish to remain present at the time of tender opening can do so.

7) Contacting Officer:

- Further details / clarification if any required will be available from Chief Officer, Notified Area, Plot No. 409/C, Nr. Fire Station Building GIDC Panoli-394116
- In case bidder needs any clarification / assistance or if training required for participating in online tender, they can contract at following office.

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

(n) Code Solutions**A Division of G.N.F.C.**

301, G.N.F.C. Info tower, Boadkdev,

Ahmedabad- 380054 (India)

Tel. No. 9126857316/17/18, Fax No. 917926857321

E-mail – <https://gfdc.nprocure.com>.**8) General Instructions:**

- 9.1) All the columns in Schedule "B" attached with tender documents should be filled by the contractor under his Digital signature and the contractor under his Digital signature should strike the total entries in the last column.
- 9.2) Tender documents with all schedules & annexure should be digitally signed by the tenderer.
- 9.3) Offers which are not digitally signed will not be accepted
- 9.4) No offer in physical form except specified documents will be accepted.
- 9.5) The tender fee will not be refunded under any circumstances.
- 9.6) EMD in the form specified in tender document shall only be accepted.
- 9.7) Tenders without tender fee, Earnest Money Deposit (EMD) and other required documents specified in tender documents which do not fulfill all or any of the condition or submitted incomplete in any respect will be rejected.
- 9.8) Conditional tender shall not be accepted.
- 9.9) The Internet site address for e-tendering is <http://gfdc.nprocure.com>. and that corporate web site is www.tender.nprocure.com

9) Price Escalation, Secured Advance & Mobilization Advance:

Secured advance, mobilization advance & price escalation / price adjustment shall not be paid by the Notified Area Authority.

10) CONDITIONS OF CONTRACT:

Condition of contract will be as per standard documents B-1 attached with this bid, or modified as needed for local conditions, & others documents will be governed as per the documents and conditions of contract finalized for the work. All works will confirm to the Indian Standards, specifications for Fire vehicles works of other equivalent standard mentioned in the contract document as approved by the Engineer-in-charge.

Note :- Chief Officer, Notified Area Office, Panoli reserves the right, without any obligation or liability, to accept or reject any or all the bid at any stage of the process, to cancel or modify the process or any part thereof or to vary any of the terms and conditions at any time, without assigning any reason whatsoever.

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

Eligibility Criteria of the Agency (Contractor) for Fire & Rescue Services of Panoli Estate.

QUALIFICATION CRITERIA FOR PRE-QUALIFICATION APPLICATION

The pre-qualification application received under this bid shall be assessed and evaluated based on the qualification criteria and evaluation procedure prescribed hereunder:

- (1) **Following constitution of Pre-Qualification evaluation committees is finalised.**

Statement 1.1

Constitution of Committee BOM Notified Area GIDC Panoli

The pre-qualification application received under this bid shall be assessed and evaluated based on the qualification criteria and evaluation procedure prescribed here under. An evaluation of Pre-Qualification Application will be placed **constitution of pre-qualification evaluation committees is Board of Management of Notified Area GIDC Panoli.**

- (2) **Prequalification criteria for the Civil / Mechanical / Electrical works.**

- (2.1) **Eligibility: “Contractor having valid E-2 class or above registration or experience of similar type of work..”**

Minimum Pre-Qualification Criteria for work experience contractor:

Bidder must have experience of successfully completed similar works during last seven years ending last day of month previous to one in which applications are invited be either of the following.

“Three similar completed works having **updated** costing not less than the amount equal to 40% of the estimated cost.” i.e. Rs.5.73 Lakh.

OR

“Two similar completed works having **updated** costing not less than the amount equal to 50% of the estimated cost.” i.e.Rs.7.17 Lakh.

OR

“One similar completed work having **updated** costing not less than the amount equal to 80% of the estimated cost.” i.e.Rs.11.47 Lakh.

Selection of Contractor:

Selection of contractor will be based on his work experience, profile and ability to execute this work in given time frame with extra-ordinary finishes. Selection or rejection of agency will be solely at the discretion of the NA GIDC Panoli.

(2.1.1) Bidder's registration: -

- (2.1.1.1) Only those bidders shall bid whose names are borne on the approval list of registered contractors in the required class & category with Gujarat state R&BD / W.R.D. / GIDC.

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

- (2.1.1.2) If the Contractor's registration in the required class & category with Gujarat state R&BD / W.R.D. / GIDC is expired on or before the last date of online bidding period of the tender, the bidder must submit through online in electronic form the application for renewal of the same with the concerned department along with receipt of fees paid for it. In such cases, the bidder at his own responsibility must produce valid renewed registration certificate in the required class & category with Gujarat state R&BD / W.R.D. / GIDC before the date of opening of Technical Bid. Failing to which the bidder shall be disqualified for opening of his price bid. Bidder will solely be responsible for obtaining the required registration.
- (2.1.1.3) In context to above Para (2.1.1.2), it is clarified that the bidder who is having registration in class & category below than the minimum required class & category and the bidder has applied for up-gradation in required class and category with Gujarat state R&BD / W.R.D. / GIDC shall not be considered valid. In such cases the bidder shall not be considered eligible for bidding.

The bidder, who is registered in appropriate category of C.P.W.D., M.E.S., Railways and Indian state government, can also bid provided the bidder produce such registration certificate at the time of bidding and obtain registration in required class & category from the Gujarat state R&BD / W.R.D. / GIDC before issuing work order. Bidder will solely be responsible for obtaining the required registration.

(2.2) Litigation history: -

The applicant should provide accurate information on litigation and/or arbitration resulting from contracts completed or under execution by him over the last five financial years. A consistent history of arbitration awards/judgements against the applicant or any partner of a joint venture may result in disqualification for proposed work. If the details of litigation history are hidden by the applicant and later on it comes to knowledge of the employer the bidder shall be disqualified for the proposed work and other appropriate action shall be taken against the bidder. Information of litigation history in following statement to be submitted, if any other wise Nil / Not Applicable statement to be submitted.

LITIGATION HISTORY

Name of applicant:

Sr. No.	Name of Contract	Work completed or under execution	Financial year	Brief Detail of the arbitration / litigation matter	Department in opposition	Whether awards / judgements are pending or made?	Details of Result of arbitration / Judgement	Whether Judgement in favour or against

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

(Signature of bidder)

(2.3) Affidavit regarding Termination / Blacklisting / Ban / Registration kept in Abeyance: -

(2.3.1) The bidders shall be disqualified for opening of his price bid if he is under blacklist and / or under ban and /or his registration is under abeyance by any Central / State Government Department, Board, Corporation, Municipal Corporation, Municipality, Government Local Bodies, University etc.

(2.3.2) the bidder shall have to submit prescribed notarized affidavit on appropriate stamp paper as under, failing to which the bidder shall be disqualified for opening of his price bid.

Affidavit regarding Termination / Blacklisting / Ban / Registration kept in Abeyance.

(To be submitted on stamp paper of appropriate value & duly notarized.)

Name of work: -

Tender ID: -

I, _____, Age, _____, Resident of, _____ in the capacity of _____ Do hereby solemnly affirm and declare as under.

We are not under blacklist and / or under ban and /or our registration has not been kept under abeyance by any Central / State Government Department, Board, Corporation, Municipal Corporation, Municipality, Government Local Bodies, University etc. as on date of participating for this bid.

Date: -

Authorised signatory

Place: -

(2.4) Machinery / Equipment: -

Bidder shall have to submit a prescribed notarized undertaking on appropriate stamp paper for deploying machinery/equipment for the work under tender as per below.

Undertaking for deploying Machineries/Equipments/Tools & Plants

(To be submitted on stamp paper of appropriate value & duly notarized.)

To,

(Authority holding the digital key)

Name of Work: -

Tender ID: -

APPENDIX – B

List of minimum Machineries/ Equipments/ Tools & Plants to be deployed on contract work.

Sr. No	Type of Equipment	Minimum No. of equipment required
1.	All Machineries/ Equipments/ Tools & Plants for necessary for the above work.	01

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

I/We hereby undertake that if I/we awarded the above said work then i/we shall deploy all Machineries/Equipments/Tools & Plants etc. as shown in the Appendix-B in fully working condition and utilize the same while execution of the work.

We also undertake that i/we shall deploy other Machineries/Equipments/Tools & Plants etc. over & above shown in Appendix-B in working condition and utilize the same as per instruction of Engineer-In-Charge.

Failing to above we shall not object any action taken to us within the tender provision. In case of any dispute, Superintendent Engineer's decision shall be final.

Date: -

Authorised signatory

Place: -

(2.5) bidding in E-tendering: -

Submission of documents must be through e-tendering i.e., electronic form, unless specified in Para (2.6).

All of the online submitted documents must be clearly readable, failing to which the same shall be considered as void.

Bids of those bidders who have submitted all information, statistical details as required in the bid documents through E-Tendering will only be considered. If the employer desires any clarification, for verification/clarification, ambiguity of difference found in the documents/statistical details submitted online (by e-tendering) by the bidder the same shall be furnished within stipulated time otherwise further processing will be carried out in absence of above and the bidders shall be liable for any consequence.

No bidder can participate in more than one bid for proposed work. GIDC, Gandhinagar.

(2.6) Submission of documents: -

(2.6.1) Following documents/papers shall form part of the bid & must be submitted through online in electronic form unless specified separately, failing to which the bidder shall be dis-qualified for opening of his price bid.

(2.6.1.1) D.D. of require tender fee. (To be submitted in electronic form at the time of online submission of the bid & the same to be submitted in original during prescribed time period for submission of documents in physical form.)

(2.6.1.2) DD/FDR & BG of required EMD. (To be submitted in electronic form at the time of online submission of the bid & the same to be submitted in original during prescribed time period for submission of documents in physical form.)

(2.6.1.3) Copy of valid bank solvency certificate of minimum 20 % amount of the estimated cost put to the tender of the work. (Bank Solvency certificate issued during current calendar year is considered as valid up to end of the December of the current calendar

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

year. 31st march of the next calendar year. In case, where solvency certificate is not obtained in time, the certificate of previous year will be considered valid up to the end of March of current calendar year. In some certificates date of validity is stated. In such cases the same stated date is considered for validation instead of end of December of the current calendar year.)

- (2.6.1.4) Copy of relevant required Registration Certificate / Certificates. (In case of renewal, copy of application & receipt of fee paid.) or Authorized Dealealer Certificate.
- (2.6.1.5) Litigation history as per Para (2.2).
- (2.6.1.6) Affidavit regarding Termination / Blacklisting / Ban / Registration kept in Abeyance as per Para (2.3).
- (2.6.1.7) the undertaking for deploying machinery/equipment for the work under tender as per Para (2.4).
- (2.6.2) Following documents/papers shall also form part of the bid, but these documents are not mandatory to be submitted through online in electronic form. However, the same shall be submitted in physical form, if not submitted through online in electronic form, within time period given by authority holding the digital key, failing to which the bidder shall be dis-qualified for opening of his price bid.
- (2.6.2.1) Copy of registration certificate of firm / documents of public limited / private limited / partnership firm / proprietor firm, whichever is applicable. For example, Partnership Deed, Certificate of incorporation, Memorandum of association, Article of Association etc.
- (2.6.2.2) Copy of Power of Attorney, if any.
- (2.6.2.3) Copy of PAN Card.
- (2.6.2.4) Copy of latest income tax return certificate. (Note: - latest income tax return certificate means the income tax return certificate of the last completed financial year for which pre-determined/extended time period by the Income Tax Department for filing income tax return is over on or before last date of online submission.
- (1.6.2.5) Copy of Goods & Services (G.S.T.) registration certificate.
- (1.6.2.6) Copy of RPFC registration certificate.
- (2.6.2.7) Copy of RPFC Challan of any of the completed last three months from the month of last date of online submission of the tender.

Following Undertaking / Declaration to be incorporated on (n) Procure website in such a manner that without attending this undertaking / declaration the tender cannot be uploaded.

UNDERTAKING / DECLARATION

- (2.6.3) "I hereby declare that I have after thoroughly understand the Pre-Qualification criteria / conditions and the details filed & documents submitted are true and correct to the

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

best of my knowledge and belief. I shall not have any objection against any action taken by Notified Area GIDC if any of the information submitted is found to be incorrect / false.” any information, data, statistics etc. which are not related to bid document will not be considered in evaluation even through furnished by the applicant.

- (2.6.4) In accordance with stipulated of Para (2.5), employer reserves the right to call any information/documents which is mandatory, essential and critical for the purpose of evaluation. Any information provided by the applicant after last date of electronic submission will not be considered in evaluation, unless except the employer has specially asked for any information/document, which is mandatory, essential and critical for evaluation of PQ document. If required information is not furnished within stipulated time, proposal will be liable for rejection.
- (2.6.5) If any of the information provided by the bidder is found false during scrutiny or at the later stage, his EMD shall be forfeited and he shall be disqualified for the proposed work. In case when bidder has furnished exemption certificate in lieu of EMD, an amount equal to EMD shall be appropriated from his FDR pledged to avail of exemption certificate. If any of the information provided by the bidder is found false after award of work, the security deposite & performance bond of the bidder shall be forfeited and the contract shall be terminated.
- (2.6.6) Authority holding the digital key ((n) code solution), respective Executive Engineer of Civil branch, respective Executive Engineer of M&E branch and Account Officer / Divisional Accountant of the respective Division office shall be jointly liable to download, evaluate, verify all online documents submitted by the bidder with respect to Pre-Qualification criteria.
- (2.6.7) In case of committee of Chief Engineer, concerned field Superintending Engineer and Concerned field Executive Engineers (Civil) & (M&E), after carried out all above procedures and verifying all print outs of the online documents submitted by the bidders, shall submit the same documents (Indicating page no. on each & every documents submitted by the bidder through online in electronic form.) along with evaluation sheet (Details against each P.Q. Criteria along with page No., remarks etc. Note :- To be prepared by respective Executive Engineer of Civil branch, respective Executive Engineer of M&E branch and Account Officer / Divisional Accountant of the respective Division office jointly), duly signed by all the concerned, to Chairman (i.e. Chief Engineer) of the Pre-Qualification committee and also shall brief the other members of the Pre-Qualification committee on documents submitted by the bidders through online in electronic form and evaluation done by his office, at the time of meeting of the Pre-Qualification committee.
- (2.6.8) In case of committee of Superintending Engineer, concerned field Executive Engineer (Civil) & (M&E) and Account Officer/Divisional Account jointly, after carried out all above procedures and verifying all print outs of the online documents submitted by

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

the bidders, shall submit the same documents (Indicating page no. on each & every documents submitted by the bidder through online in electronic form.) along with evaluation sheet (Details against each P.Q. Criteria along with page No., remarks etc.), duly signed by all the concerned, to Chairman, (i.e. Superintending Engineer) of the Pre-Qualification committee and also shall jointly brief the Chairman of the Pre-Qualification committee on documents submitted by the bidders through online in electronic form and jointly evaluation done by them, at the time of meeting of the Pre-Qualification committee accordingly, concerned Pre-Qualification committee shall decide to qualify / dis-qualify the bidder & circulate / issue minutes of the meeting to concerned for further action.

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

2.6 Site visit certificate

Name of work: Supply, Installation, Testing & Commissioning of Complete Fire Hydrant System including Pump House, Hydrant Network, Fire Alarm System, Accessories and Fire NOC @ NA GIDC Panoli. (Re-invite)

આથી પ્રમાણપત્ર આપવામાં આવે છે કે, ઉપરોક્ત કામ બાબતે મે..... નામની એજન્સી એ રૂબરૂ સાઈટ વીઝીટ કરી છે તથા ટેન્ડર અંદાજપત્ર અને ઉપરોક્ત કામ ની સમય મર્યાદા અંગેની અત્રેની કચેરીએથી સમજણ મેળવેલ છે.

સ્થળ: પાનોલી

તલ:-

મુખ્ય અધિકારી
નિ.વિ. જીઆઇડીસી, પાનોલી

નોંધ: - ઉપરોક્ત પ્રમાણપત્ર કચેરી પાસેથી મેળવીને ટેન્ડર સાથે અપલોડ કરવાનું તેમજ ટેન્ડર ડોક્યુમેન્ટ સાથે મોકલવાનું રહેશે.

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

APPENDIX – C

SELF EVALUATION FORM

Note: - This form is mandatory and required details as per Performa with page number must be field-up. If such detail is not submitted with the bid documents, the bid shall be liable for disqualification.

Name of Work: -

Supply, Installation, Testing & Commissioning of Complete Fire Hydrant System including Pump House, Hydrant Network, Fire Alarm System, Accessories and Fire NOC @ NA GIDC Panoli. (Re-invite)

Sr · N o.	Component	Requirement as per tender	M/s.		Page No.	Remarks	
			DETAILS FURNISHED BY BIDDER				
1	Tender Fees including GST	Rs.1,062.00/- by DD	Name of Bank				
			D.D. No. and Date				
			Amount in Rs.				
2	EMD	(A) Rs.14,349.00 by DD / FDR	Name of Bank				
			D.D. / F.D.R. No. and Date				
			Amount in Rs.				
		(B) Rs. - by B.G.	Name of Bank				
			(Schedule or Nationalized Bank Only)	B.G. No. and Date			
				Valid up to Date.			
		Amount in Rs.					
3	Bank Solvency Certificate	20% amount of Estimated Cost	Name of Bank				
			Amount in Rs.				
		i.e., Rs.2.86 Lacs	Date of Issue				
			Valid up to Date.				
4	Class of Registration/ Work Experience	Contractor having valid E-2 class or above registration or experience of similar type of work.	Name of Department				
			Valid up to Date.				
			Authority				
8	Litigation History		(Refer Para 2.5)				
9	Affidavit regarding Termination / Blacklisting / Ban / Registration kept in Abeyance		(Refer Para 2.6)	Details shall be given on Rs. 300/- stamp paper duly notarized			
10	Machinery / Equipment: Appendix-B		(Refer Para 2.4)	Details shall be given on Rs. 300/- stamp paper duly notarized			
11	Registration certificate / Documents of /public Limited / Private Limited/ Partnership deed / Proprietor Firm.		To be furnished whichever is applicable				
12	Power of Attorney						

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

13	Latest Income tax return filed and PAN Card Details	(A) Year of Income tax Return filed	Assessment Year			
			Name			
		(B) PAN Card No.	PAN Card No.			
			Name			
14	Goods and Service Tax (GST) Number	GST No.	GST No.			
			Name			
15	RPFC Registration certificate & RPFC Challen	(A) RPFC Registration Certificate No.				
		Name				
		(B) RPFC Challen of any of the completed last three months from the monthh of last date of submission of the tender.				
		Name				
16	Undertaking / Declaration	300 Stamp with duly notarized				
17	Site Visit Certificate	Submit site visit certificate duly sign by this office.				
18	Other Remarks					
19	Whether Qualified or not?					

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

INFORMATION AND INSTRUCTION FOR BIDDERS

INTRODUCTION:

Bids i.e., Price Bid and Technical Bid for the work of Refurbishment of Fire Vehicle for firefighting service incl. all emergency services like fire rescue services & accident events, flood, cyclone, earthquake etc. at NA, GIDC, Panoli. Is invited from Contractors on e-tendering process. The contractors, who wish to bid for this contract, should also apply for prequalification in the manner set out in this document.

The pricebid will be opened only of those tenderers pre-qualified by the Notified area as having necessary qualification, suitability to perform the contract satisfactorily and also opened Technical Bid with Prequalification Application will be considered. Technical Bid with Prequalification Application of dis-qualified bidders will not be considered.

LOCATION OF WORK AND SITE INFORMATION:

The work site is located in Notified area, Panoli of GIDC Panoli.

1. BIDDER'S RESPONSIBILITY

The intending Bidders shall be deemed to have visited the site and familiarized themselves thoroughly with the site conditions and all other aspects affecting the work under this Contract before submitting the tender. No claim / extension of time whatsoever shall be entertained on account of prevailing site conditions.

Interested Bidders may obtain further information at the following address:

Chief Officer, Notified Area, Plot No. 409/C, GIDC, Panoli-394116.

2. EARNEST MONEY DEPOSIT (EMD)

EMD is payable in the manner set out in the Form B1.

Demand Draft for E.M.D. shall be submitted in electronic format only through online (by scanning) while uploading the bid. The submission shall mean that E.M.D. is received for purpose of opening the bid. Accordingly, offer of those shall be opened whose E.M.D. is received electronically. However, bidder shall submit the DD in original to **Chief Officer, Notified Area, Plot No. 409/C, GIDC, Panoli-394116** payable at **Panoli** As per the schedule specified in tender notice for submission of document in physical form i.e **from 30/06/2026 to 01/07/2026 during working days upto 17.00 hours Only R.P.A.D or Speed Post or Hand Delivery** (During office Hour). The submission of document before **30/06/2026** and after **01/07/2026 at 17.00** will not be considered and offer treated as non responsive. Exemption certificate shall not be acceptable.

Earnest money in specified form @1% of the estimated cost must be sent as mentioned above preceding electronically. Tenderer may pay earnest money up to Rs. 50,000 in cash or in the form of Crossed Demand Draft or fixed deposit or fixed deposit at-call receipts with a validity period of not less than 180 days of Nationalized or Scheduled bank or Narmada/Shrinidhi F.D.Rs. drawn in favour of Chief Officer, Notified Area Officer, GIDC, Panoli concerned. Earnest money by cheque & Bank Guarantee shall not be accepted. (vide R & BD G. R. No. TNC/1090/ (100) (4)-C, dated 4-11 -2000). However, in respect of the works estimated to cost above Rs. 50 Lakh, the amount of earnest money in excess of Rs. 50,000 can be offered by the contractor, at his choice, in the form of Bank Guarantee of the Scheduled or nationalized Bank only. The Bank Guarantee in such cases will be furnished in the following form. In such cases also, the amount of earnest money first Rs. 50,000 will be paid only in the form of crossed demand drafts or fixed deposit receipts or deposit at call receipts worth the validity period of not less 180 days of the nationalized or scheduled or Narmada/ Shrinidhi F.D. If the contractor does not turn up to pay the Security Deposit and execute contract agreement within specified (or extended) time after intimation to him about acceptance of his offer, the earnest money paid for this work will be forfeited according to Clause-1 of this

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

tender form tenderer's tender shall be rejected and then according to aforesaid provision of tender, action to blacklist the Contractor will be initiated without Delay. (Vide R & B D G.R. No. Misc. - 1097 -90-1091/97 -Z/C dated 04-10-97 & Parach-102008-5-C-Partfile dated 27-11-08).

Bank Guarantee is permissible only when the estimated cost of work is more than Rs. 50 Lakh.

BANK GUARANTEE

Where as M/s _____ (hereinafter called the Tenderer) is desirous and preferred to tender for works in accordance with the terms and conditions of tender for the work of _____ and where as We, Bank, agree to give the tenderer a guarantee for the Earnest Money. Therefore, we hereby affirm that we are guarantors on behalf of the Tenderer upto total rupees _____ in _____ words) Rs. _____ (in figures) and we undertake to pay to Executive Engineer _____ Division _____ Department of Government of Gujarat upto his first written demand, without demur, without delay and without the necessity of a previous notice of judicial or administrative procedures and without the necessity to prove to the Bank the defects or shortcomings or debits of the contractor any sum within the limit of Rs. _____.

We further agree that the Guarantee herein contained, shall remain in full force and effect during the period that would be taken for the acceptance of tender.

However, unless a demand of claim under this guarantee is made on us in writing on or before the _____ (Date to be specified - will not be less than 180 days from the stipulated date of receiving the tender) we shall be discharged from all liabilities under this guarantee thereafter.

We undertake not to revoke the guarantee during its currency except with the previous consent of the Executive Engineer _____ Division _____ in writing.

We lastly undertake not to revoke the guarantee for any charge in constitution of the Tenderer or of the Bank.

Date Signature & Seal of Guarantor _____

Bank Address _____

The Earnest Money submitted in the form of Deposit-At-call receipt shall need minimum validity of six months from the last date of online submission of tender. **Tender not supported with tender fee, Earnest Money & documents and not submitted in electronic format (by scanning) while uploading the bid shall be rejected as non-responsive.** If the tenderer modifies or withdraws his tender, the Earnest Money (in case of EMD exemption certificate, proportionate amount equivalent to EMD of a particular tender) shall be forfeited and the tenderer may be disqualified from tendering for future works under the Government.

The Earnest Money will be returned to the unsuccessful tenderers. The Earnest Money will be returned to the successful tenderer after he furnishes security deposit and duly enters into the contract.

Within Ten days or within such time as may be decided by the Tender Inviting Authority from date of receipt of the Letter accepting his tender, the successful tenderer shall furnish the required security deposit and attend the office of the Tender Inviting Authority for execution of the contract documents. If he fails to furnish the security deposit or execute the contract document, his Earnest Money (in case of EMD exemption certificate equivalent amount there from) shall be forfeited and action to blacklist the contractor will be initiated without delay.

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

1. SECURITY DEPOSIT (SD)– 05.00% of Estimated cost.

SD is payable in the manner set out in the Technical Bid with Prequalification Application by the successful tenderer / Bidder.

PERFORMANCE BOND in the form of DD/FDR/small saving or Narmada Bond or FDR – 0.00% of Estimated cost (Validity period of minimum 06 month.)	Rs. --- (To be paid with Performance Bond)
Initial Security Deposit - 2.5% of Estimated cost.	Rs.35,874.00 (To be paid with initial security deposit)
To be deducted from R.A. Bill - 2.5% of Estimated cost.	Rs.35,874.00
Total Rs.	Rs. 71,748.00

2. PROGRAMME OF WORK:

The program of work for this contract is as under.

Online Submission of Bid Document	Period for Validity of offer	Period of completion
From 10-06-2026 to 29-06-2026 at 17.00	120 days from the stipulated date of receiving of the tender but no modification shall be allowed after handing over tender to postal authorities.	04 Month from the date of work order

The time is essence of the contract. The contractor shall have to ensure progress of the work proportionately as per Schedule-C of B-1 agreement.

3. SUPERVISION OF WORK:

The quality assurance and quality control in addition to the Engineer-in-charge of the work.

4. FREE MAINTENANCE GUARANTEE PERIOD: 1 years from the actual date of completion of work.**5. DEFECT LIABILITY PERIOD: 1 years** from the actual date of completion of work.**6. PRICE VARIATION CLAUSE & STAR RATE FOR CEMENT, STEEL AND BULK BITUMEN:**

Not Applicable

7. MOBILIZATION ADVANCE:

Not Applicable.

8. CONDITIONS OF CONTRACT:

Successful bidder shall have to enter in to prevailing agreement B-1 with NAA, all the tender documents including pre-bid meeting minutes, negotiation letter and acceptance letter will form-An integral part of the contract. All works will conform to the Indian Standards, specifications for road & Bridge works of Ministry of Road Transport and Highway or other equivalent standard mentioned in the contract document as approved by the Engineer-in-charge.

9. GENERAL:

- 1) Bids of those bidders who have submitted all information, statistical details as required in the bid documents through E-tendering will only be considered by Competent Authority of BOM (Board of management)/NAA, G.I.D.C, Panoli.
- 2) BOM (Board of management)/NAA, G.I.D.C, Panoli reserves the rights to reject or accept any bid, and cancel the prequalification process and reject all bids.

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- 3) The NAO, G.I.D.C, Panoli shall neither be liable for any such actions nor not be under any obligation to inform the applicant of the grounds for them. The NAA, G.I.D.C, Panoli decision shall be final and binding.

SPECIAL CONDITIONS

- 1) EMD:
- a) The amount of EMD to be paid should be in the form of demand draft or FDR for more than 120 days of Nationalized / Scheduled Banks and ICICI, IDBI, HDFC & Axis Banks in favour of Chief Officer, NA, GIDC, Panoli.
 - b) Units registered with Industries Dept. or with NSIC as a Small-Scale Unit shall have also to pay prescribed tender fees and earnest money deposit. Exemption certificate issued by Govt. / any other authority for EMD shall not be valid for Notified works.
 - c) The amount of earnest money deposit to be paid in the form of DD / FDR in favour of "Chief Officer Notified Area Office GIDC Panoli" should be attached, along with the tender only, otherwise it will not be accepted. It may be noted that DD / FDR brought personally at the time of opening, will not be accepted at all.
 - d) The earnest money deposit of the unsuccessful contractor(s) shall be returned without interest within reasonable time after final decision/work order on the tenders and after entering into a contract with the Corporation by the contractor whose tender is accepted.
- 2) The contractor shall have to furnish Income Tax Clearance certificate before his tender is accepted and intimate assessment number and ward under which is accessed. **As Per GIDC Circular No. GIDC: ENG: CIR: CE: 594 dtd. 18th July 2007. & GIDC Circular No. GIDC: ENG: CIR: CE: 808 dtd. 13.12.2007** and Due to Modification /Changes in the clauses of B1 agreement of R & B department and to match the R&B department tender agreement, it is decided to adopt the Performa of B1 agreement of R & B Department for Notified tender works, except for the following clauses: -
- ii) **Clause No 72: Secured Advance to Contractor..... Deleted.....**
 - ii) **Clause No 73: Advance Payment..... Deleted.....**
 - iii) **Clause No. 74: Advance against Machineries Deleted.....**
 - iv) **Clause No 75: Mobilization Advance Deleted.....**
 - v) **For EMD:** - Exemption certificates for EMD issued against standing security by any other authority shall not be valid for Notified works.
 - vi) Copies of certificate as regards previous experience, if any, must accompany the tender.

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Name of Work: - Supply, Installation, Testing & Commissioning of Complete Fire Hydrant System including Pump House, Hydrant Network, Fire Alarm System, Accessories and Fire NOC @ NA GIDC Panoli. (Re-invite)

GENERAL CONDITIONS

Contractors may please read be carefully

1) LABOUR CONTRACTACT:

The contractor tendering for the work shall have to obtain licence under the labour contract (Regulation and Abolitions) Act, 1970 within a week or award of work comply with all the provision of Act. As licence. Also, they hall provide all the amenities for the amenity I not provided by the contractor such amenity shall be provided by the Contractor such amenity shall be provided by the Chief Officer, as principal employer as his representative within the prescribed time and the expense incurred by the principal employer providing the evenly shall be recovered by the amount payable by the Contractor. The Contractor shall act in accordance with the provisions of the act in all respect and shall absolve the principal employer from any consequence whatsoever. Every principal Employer shall nominate a representative duly authorized by him to be present at the time of disbursement of wages and it shall be the duty of such representative to certify the amount paid as wages in such manner as may be prescribed, shall nominate representative duly authorized by him to be present at the time of disbursement of wages and it shall be the duly of such representative to certify the amount paid as wages in such manner as may be prescribed.

In case the Contractor fails to make payment of wages within the prescribed period or makes short payment. The principal employer shall be liable to make payment of wages in full or the unpaid balance due as the case may be the contract labour employed by the contractors and recover the amount so paid from the contractor by deduction from any amount form the contractor by deduction from any amount payable to the contractor under contract.

The contractor shall provide every facility to the principal employer to maintain registers and records giving particulars of contract labour employers. The nature of work performed by the contact labour the contractor labour rate of wages paid to the contact labour and such other particulars that are prescribed under the provision of said Act.

2) CONDITION

The contractor shall be responsible for complying with the provisions of the employee's provident fund and Miscellaneous Act 1992 scheme and modification of the Act from time to time.

The contractor shall get themselves enrolled with Regional Provident Fund Commissioner or any competent officer appointed under the Act and shall have to get separate code number in respect of their respective establishment as decided in section-3 of the Employees Provident Fund Act and shall discharge all the liabilities arising out of aforesaid Act as provided in pere-36 A of the scheme and other provisions of the Act.

The Engineer-in-charge on receiving a report from the competent inspecting officer under the said Act shall have the power to deduct from the payment to the contractor any sum required

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or estimated to be required for good the loss suffered by the worker or workers by reasons of non fulfillment of the conditions of the contractor for the benefit of the workers under the said Act. The contractor shall indemnify GIDC against any payment to be made and for the observance of the Regulations aforesaid.

3) GENERAL CONDITION:

Tender shall very carefully read through a take Note of following conditions.

1. The successful tender shall have to enter into an agreement, in prescribed "B2" Form.
2. The tenderer shall get himself well acquainted with the job requirement, site conditions, route and alignment etc.
3. Contractor shall make his own agreement for all the necessary tools, plants equipment and provide for manpower as and when required. No extra payment in any such respect be payable to contractor.
4. Contractor shall while entering into agreement shall produce the registration certificate of his establishment with the competent authority of Regional Provident Fund Commissioner failing which 3% (Three percent) of the bill value due to be paid to Contractor shall be deducted at source and will be dealt as per Clause 74 of B-1 from.
5. In conformity with prevailing Income-Tax Rules necessary of bill value shall be deducted at source for which necessary certificate shall be deducted by the Chief Officer.
6. Contractor shall also provide assistance representative and/or authentic person for the purpose of inspection and verification of transit damages, defects etc. for the insurance claims but shall not charge any extra payment against such assistance provided.
7. Security deposit of 2.5% of contract value will be deposited by contractor as per rules.
8. Tender fees, EMD etc. payable to Chief Officer NA, GIDC, Panoli by the tenderer by D.D. of FDR etc. shall be drawn in favour of Chief Officer Notified Area Office GIDC Panoli. The validity of FDR should not be less than 180 days.
9. Bank guarantee shall not be accepted in any case.
10. Time limit is to be accounted for Six (06) months from date of work order to complete the work in all respect.
11. In all the items of Schedule 'B' is to be considered for the purpose of measurements and payments.
12. Successful tenderer shall have to enter into an agreement with N.A., in prescribed B-1 form for this works contract, which shall be available for inspection / study at the office of the Notified Area, Panoli during office hours except holiday.
13. The contract document shall include the original tender papers of N.A. submission of contractor negotiation letter, letter of acceptance, agreement in C/B1/B2 form & the work order.
14. TIME IS THE ESSENCE OF THE CONTRACT. The contractor shall have to ensure progress of the work proportionately failure to adhere to this he shall be liable to compensation as per the clause 2B, 15 & 15A agreement form.
15. No price escalation, secured advance or mobilization advance shall be paid by N.A.

4) GENERAL SPECIFICATION

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1. The entire work shall have to be carried out as per the specification of P.W.D. Hand Book Vol. I & II.
2. The entire work shall be carried out as per the instructions of the Engineer and to his entire specification.
3. The specifications of the materials shall be followed as per front sheet.
4. No extra payment will be made due to change in design and plans of the structure.
5. The contractor shall have to make his own arrangements for any others required tools and accessories to be used in the work.

**5) FOLLOWING CORRECTIOSN ARE THERE IN B1 AGREEMENT BOOKLET.
CONTRACTORS MAY PLEASE BE READ CAREFULLY.**

1. Any sort of correction or erasures in the tender shall not be done by the tender, by applying white fluid or any other chemical. The tender with correction made in aforesaid manner shall be outrightly rejected by Corporation.
2. If any corrections erasures or overwriting are required by the tendered before submitting the tender, all the corrections shall be initialed by the tenderer only before submission of the tender, otherwise the tender shall be rejected by the corporation.

6) SPECIAL CONDITIONS

1. Price escalation/adjustment clause shall not be applicable for this work.
2. Neither secured advance nor mobilization advance shall be payable for this work.
3. The contract shall be governed by the law and order of India for the time being in force and subject to the jurisdiction of total works at Bharuch district.
4. As applicable Income tax deduction shall be made at source at every running bill.
5. As applicable Sales tax deduction shall be made at source at every running bill.

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CONTRACTORS TO PLEASE READ THIS CAREFULLY

- 1) Earnest money as mentioned in the Memorandum of work in brief attached herewith shall be paid in the form of D.D./F.D. R for the minimum period of 120 days and document for the same should be attached with the technical bid only.
- 2) If the tender is taken in favor of the Company, a power of attorney / necessary authorization in favor of the person who may have signed the tender for the Company, must accompany the tender.
- 3) All the work shall be carried out as per the specifications as per tender document.
- 4) The rate quoted include clearance of site (Prior to commencement of work at its close) in all respects and hold good for work under all conditions including site moisture, weather etc.
- 5) The contractor shall have to furnish the permanent Account Number, assessment no. & Ward under which he is assessed.
- 6) Unit Rates specified for various items to be executed as per Schedule "B" attached are inclusive of all labour, materials, testing charges, equipments, all incidental charges involved in the items and as specified in the mode of measurement & payment of detailed specifications of items, incl. all taxes, royalty, octroi, transportation cost etc. all as applicable presently and as to be enforced for future by any / all including Central/State Govt. and Statutory bodies from time to time. Except GST. GST paid extra as per rules.
- 7) The contractor shall have to furnish the True copy of the R.P.F.C. registration certificate.
- 8) 1% shall be deducted from the payments of each bill toward Fire Fighting and others welfare Cess and shall have to be deposited by this office to the Govt. Under the specified head
- 9) The contractor shall have to obtain and produce the license from the office of Dy. Director of Industrial safety & health as per the building and other construction works welfare cess Act. 1996.
- 10) The agency in whose favor, the tender is finalized has to enter into B2 agreement and conditions and clauses of the agreement shall be binding to the agency.
- 11) Please filled in required details in the Statement:

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General Terms and Conditions
(Contractor Should Read Carefully)

- 12) The tender shall be submitted in sealed envelope supplied with blank tender documents duly super scribed with the name of work and name and address of the tender through “Registered post AD” only. Only properly “WAX” sealed tender shall be accepted.
- 13) If the tender is taken in favour of a company, a “Power of attorney”, in favour of the person who can sign the tender for the company, must accompany the tender.
- 14) If the tenderer is firm, company or limited concern, they should mention the names of all the partners or the Directors, as the case may be, in their forwarding letter and indicate the name of person who holds, the power of attorney, authorizing him to conduct all transactions on behalf of the firm, company or limited concern. A true copy of partnership deed or the articles of association and power of attorney shall be attached with the tender, in case; the tender is finalized in favour of successful tenderer. The contractor shall have to enter into the agreement as per the rules.
- 15) EMD:
 - a. Earnest money shall be paid in the form or demand draft or FDR from any nationalized bank as well as public sector banks i.e. IDBI, UTI, HDFC & ICICI only. Earnest Money in cash or cheque or bank guarantee shall not be accepted. EMD should be valid for minimum period of 120 days. The EMD should be drawn in favor of Chief Officer, NA, and GIDC Panoli.
 - b. Units registered with Industries Dept. or with NSIC as a Small-Scale Unit shall have also to pay prescribed tender fees and earnest money deposit. Govt. exemption certificate for EMD shall not be valid for Notified Area works.
 - c. The amount of earnest money deposit to be paid in the form of FDR in favor of “Chief Officer, NA, GIDC, Panoli” should be attached, along with the tender only; otherwise, it will not be accepted. It may be noted that DD / FDR brought personally at the time of opening, will also not be accepted at all.
 - d. The earnest money deposit of the unsuccessful contractor(s) shall be returned without interest within reasonable time after final decision on the tender and after entering into a contract with the authority by the contractor whose tender is accepted.
 - e. The contractors who have secured exemption certificate for payment of earnest money by depositing lump-sum earnest money deposit need not pay earnest money, but produce the certified copy of the exemption certificate along with the tender.
 - f. The contractor does not turn up with the security deposit and execute contract agreement within specified time after intimation to him about acceptance of his offer, the earnest money paid for this work will be forfeited according to the terms and

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conditions of tender and tenderer's tender shall be rejected and then according to aforesaid provision of tender, action to black list the contractor will be initiated without delay.

- 16) The contractor shall have to furnish Income Tax Clearance certificate before his tender is accepted and intimate assessment OR PAN Number and ward under which is assessed with copy of last three-year IT return filed by him.

Copies of certificate as regards previous experience, if any, must accompany the tender.

- 17) VALIDITY (120 days minimum)

The tenders submitted by tenderer shall remain valid for acceptance for a period of 120 days from the date of opening of the tender. Line out for the execution of the work, in case accepted tender, will be given within a period of 120 days from the date of opening. The tenderer shall not be entitled during the said period of the 120 days without written consent of NOTIFIED AREA OFFICER (NAO), to recover or cancel his tender to vary the rates given or any terms thereof. In case of tenderer revoking or canceling or varying any terms of the tender without the written consent of N.A.O, N.A.O. shall forfeit EMD paid by him / them along with the tender and take further necessary actions.

- 18) Declaration showing all works on hand with the contractor and the value of works of that remains to be executed in each must accompany the tender.

- 19) The agency having completed at least similar nature and 40 % magnitude of work costing equal to the estimated cost put to tender during any Five Financial years

- 20) The rates for items in Schedule -" B" must be given in words and figures, amount of each item must also be entered in column of amount and the tenderer must strike out grand total of the amount

- 21) The contractor should initial all pages of Schedule - "B" and specifications.

- 22) The Contractor should sign all corrections, erasures and overwriting and original tender papers should be returned invariably.

- 23) DISCREPANCIES AND ADJUSTMENT OF ERRORS:

Any error in quantity or amount in of Schedule -" B" showing items of works to be carried out shall be adjusted in accordance with the following rules.

- a. In event of discrepancy between words and figures, quoted by tenderer in the rates of column the description in words shall prevail.
- b. In the event of an error occurring in the amount column of the Schedule - "B" showing items of works, as a result of wrong multiplication of the unit rate and quantity, the unit rate shall be regarded as firm and multiplication shall be amended on the basis of the rate.
- c. All errors in totaling in amount column and in carrying forward totals shall be

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corrected

- d. Any rounding off, of amounts against items or in "TOTALS" shall be ignored. The tendered sum so altered shall, for the purpose of the tenders, be substituted for the sum originally tendered and be considered for acceptance.

It may please be noted that the tender will be considered as invalid especially if, the requirements as per instructions No.1 to 10 above, are not complied with before submitting the tender. Also, please read carefully the fact sheet and "General Rules and Directions for the guidance of contractors, i.e. Form B - 1 / Form D ". Rights to reject any or all tender(s) without assigning any reason (s) thereof is reserved with competent authority of Notified Area Authority (N.A.A.).

No price variation is acceptable and the prices once quoted shall remain firm during the period of execution / completion of contract.

If taxes and excise are being claimed extra, the present applicable percentage / amount should be clearly mentioned, failing which, rates quoted will be considered as inclusive of all taxes and duties.

N.A.A. will not issue any tax exemption form i.e. "P", "C" or "D" form; the tenderer may quote rates accordingly.

- 24) No amendment shall be permitted either in performance of the equipment offered or prices, once tender is opened.

25) EVALUATION OF TENDERS

- a. The tenders will be verified for accuracy in the numerical calculations; any tender with arithmetical mistake will be corrected on the basis of the quantities of the work given in the tender form and the unit prices quoted by the tenderer.
- b. The tender forms are to be filled in, by ink or by typewritten without alterations or modifications and shall furnish all the information required. No changes of the form are accepted; tenderers may attach supplementary information separately.
- c. The N.A.A. reserves the rights to alter the quantity of the work and or award to more than one tenderer.
- d. Any deviations, in terms, conditions and technical specifications shall be clarified with its financial evaluation, will render financial bid invalid.
- e. If for any items, alternative rates are called for the selection of any item shall be at the discretion of the N.A.A. only; all the offers shall be evaluated on the selected option only.

26) TECHNICAL TERMS AND CONDITIONS:

- a. Where specifications are not already specified, the materials to be supplied should be as per relevant ISI or Equivalent International Standards where ISS is not available.

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- b. Supply and installation shall have to be completed within stipulated time limit. In case of failure, compensation will be charged as mentioned separately.
- c. Tenders containing uncalled remarks or any additional conditions or modifications in any of the tender conditions, rates or quantity are liable for rejection.
- d. In case of arbitration as per Contractor's conditions, arbitration shall be in accordance with Indian Arbitration Act, 1940.
- e. DESCRIPTION IN SPECIFICATIONS:

The specifications are to be considered as mutually explanatory of each other.

- f. ACCESS TO SITE AND ONSITE

The Engineer may, if he considers fit from time to time enter upon any lands which may be possession of the contractor for the purpose of executing any other work not included in this contract and may execute such work not included in this contract by his agents, or by other contractors on his opinion, the contractor shall in accordance with the requirements of the Engineer, afford all reasonable facilities for execution of such works including occupation of lands by structures. Such reasonable facilities shall also be given for any other contractor employed by the authority, and his working for the authority, employed in the execution of such other work on or near the site of the work, such other works may not be included in the contract, or it may be connection with or ancillary to the works entrusted to him. In case of default, the contractor shall be liable to the authority, for any delay in executing other works or expense incurred by reason of such default, provided always that if the exercise of the powers shall cause any damage to the contractor he may, within 15 days arising of such damage make a written statement of the same to the Engineer-in-charge, who shall from time to time, assess the value in his judgment of such damage and N.A.A., shall from time to time, pay to the contractor, the amount (If any) as justified by the Engineer In Charge and finally accepted by the authority.

27) SECURITY DEPOSIT

The person / persons whose tender may be accepted herein called the "CONTRACTOR" which expression shall unless excluded by or repugnant to the context include his heirs, executors, administrators and assigns and shall deposit with the Notified Area Officer, a sum of sufficient amount to make the full security deposit specified based on the tendered cost or estimated cost whichever is the higher (Within one day for a contract of Rs. 1,000/- but less or two days for a contract of more than Rs.1,000/- but less than Rs. 2,000/- and so on up to a limit of ten days which can be extended up to 15 days by the Notified Area Authority / Notified Area Officer, if he thinks it fit to do so, for a contract of more than Rs. 1,000/- but less than Rs. 7,000/- and so on, up to a limit of ten days for a

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contract of Rs. 10,000/- or more) On the receipt by him of the notification of the acceptance of his tender shall deposit with the Notified Area Officer in cash or Govt. securities endorsed to Notified Area Officer, (If sufficient to make up the full security deposit specified in the tender) or Permit N.A.O at the time of making any payment to him for work done under the contract to deduct such a bill, deductions to be held by N.A.O. by way of security deposit provided always that in the event of the contractor depositing a lump sum by way of security deposit as contemplated (A) above, then and in such case, if the sum of deposit shall not be less than 5% of the total estimated cost of the work. It shall be lawful for NAO at the time of making any payment to the contractor for work done under the contract to make up the full amount of 5% by deducting a sufficient sum from first payment as last aforesaid until the full amount of the security deposit is made up. All compensation or other sums of money payable by the contractor to NAO under the terms of this contract may be deducted from or paid by the sale of a sufficient parts of his security deposit or from the interest arising there from or from any sums which may be due or may become due by NAO to the contractor on any account whatsoever and in the event of his security deposit being reduced by reason of any such deduction or sales as aforesaid, the contractor shall, within ten days there after, make good in cash or govt. securities endorsed as aforesaid any sum or sums which may have been deducted from or as aforesaid any sum or sums or any part thereof. The security deposit referred to when paid in cash may, at the cost of the depositor, be converted into interest bearing securities provided the deposit has expressly desired this in writing. If the amount of the security deposit to be paid in a lump within the period specified at (A) above is not paid, tender/contract already accepted shall be considered as cancelled and legal steps shall be taken against the contractor for recovery of the amounts. The security deposit pledged by the Contractor shall be returned after 6 months, after completion of work satisfactorily in all respect. The mode of security deposit in the form of small saving scheme or securities under Sardar Sarovar Narmada Nigam Ltd. and shall be valid for a minimum period of 24 months initially.

28) GENERAL INSTRUCTIONS

The acceptance of the tender will rest with the competent authority that doesn't bind himself to accept the lowest one and reserve the right to reject any of all the tenders without assigning any reasons thereof.

In addition to the above, the tender will also be liable to be rejected outright, if,

- a. The tenderer proposes any alternation in the works specified or any condition or corrections made in any code or mode of schedule "B" or specifications.
- b. Any of the page(s) of the tender is/are removed or replaced.
- c. The tender does not initiate all corrections, additions or pasted slips.
- d. He makes any eraser in the tender.

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- e. The tenderer or in the case of a firm each partner or the person holding the power of attorney thereof doesn't sign or the signature(s)is/are not attested by the witness on Schedule -B of the tender in the space provided.
 - f. The tenderer does not quote for the entire work and full quantity; otherwise, it shall be treated as incomplete tender and may be rejected. The tender rates are not realistic or not workable as compared to prevailing rates under minimum wages Act.
 - g. The rate of minimum wages acts not fulfilled on mentioning / quoting rate.
- 29) In respect of the tenders from the co-operative society, a solvency certificate of an amount of equal or more than 20% of the amount of the work put to tender will have to be produced along with the tender or a certificate regarding the borrowing capacity of the society issued by the legal assistant, Directorate of Cottage Industries will have to be produced along with the tender.
- a. The several documents forming the contract are essentials part of the contract and a requirement occurring, in one is as binding as though occurring in all. They are intended to be mutually explanatory and complementary and to describe and provide for a complete work.
 - b. In the event of any discrepancy, the several documents forming the contract or in anyone documents the following order of precedence should apply.
 - i. Dimensions & quantities.
 - ii. Drawings.
 - iii. Schedule "B" of the Tender.
 - iv. Specifications.
 - c. In case of defective description or ambiguity, the Engineer-in-charge should issue further instructions directing in what manner the work is to be carried out, it is being understood that the best modern practice is to be followed. The contractor should forthwith comply with such instructions.
 - d. All the conditions of the contract and specifications shall be thoroughly studied and understood by the tenderer and signed by him in token of having done so they / he that also sign other documents of the tender.
 - e. The contractor should take no advantage of any apparent error or omission in specifications and the Engineer-in-charge shall make such corrections and interpretation as necessary to fulfill the intent of the plants and specifications.
- 19) TOOLS & TACKLES
- f. The contractor shall, at his own expense provide all the materials, labour, haulage, power, tools, tackles and apparatus necessary to execute and complete the works.

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20) FORCE MAJURE

- i. Either party to the contract shall not be liable for its failure in performing any provision of the contract such failure or delay is caused or resulted from an Act of Nature such as floods, earth quakes, lightening, cyclone, wars, civil riots, strikes, national emergencies, civil disturbances or on account of any law or order proclamation made by the central/state Government.

21) COMMERCIAL TERMS & CONDITIONS

The rates quoted in schedule "B" shall be not inclusive of followings: -

- g. Insurance
- h. ESIC
- i. RPFC (PF)

GST will be paid extra.

22) GENERAL CONDITIONS.

- 1) In case of the services of any employee is not found satisfactory by the authority, the Contractor shall replace him within 3 (three days on receipt of such notice from the Notified Area Officer.
- 2) The Contractor shall comply with all the instructions and direction of the authority as may be given through Engineer-in-charge / Controlling officer from time to time.
- 3) The Contractor shall maintain records and registers, as may be required for this work as per the prevailing requirement of authority from time to time, as evidence of proper performance of their duties by the said Contractor. The stationery materials e.g. Logbooks, papers etc. for this purpose will be provided by the Contractor.
- 4) The wages of personnel deployed for this work will be given as per minimum wages act.
- 5) The Agency while entering into the agreement with NAO shall produce the registration certificate of his establishment with the competent authority of Regional Provident Fund Commissioner failing which 3% (three percent) amount will be deducted from the respective bills and shall be refunded only against production of such certificate and indemnity bond. Contractor shall follow the conditions laid down as below in this regard.
- 6) If the working of agency is not found satisfactory, then Notified area Authority have right to terminate the contract by giving 10 days notice period and remaining job shall be get done at risk and cost of agency. If work found satisfactory throughout the year, the contract may be extended further as per gazette with prior consent of agency at same quoted rate and same terms and conditions.

CONDITION FOR EMPLOYEES PROVIDENT FUND AND MISC. PROVISIONS ACT, 1952.

The agency shall be responsible for complying with the provisions of the employees' Provident fund and miscellaneous provisions Act, 1952 scheme and modifications of the Act from time to time.

The contractor shall get themselves enrolled with the Regional Provident Fund Commissioner or any competent office appointed under the act and shall have to got separate number in respect of

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their respective establishment as defined in Sec. 3 of the employee's provident fund Act and shall discharge all the liabilities arising out of aforesaid Act as provided in Para 36A of the scheme and other provisions of the Act.

“The Engineering in charge on receiving report from the Competent Inspecting officer under the said act shall have the power to deduct from the payment to the contractor any sum required or estimated to be required for making good the loss / suffered by the worker or workers by reason for non fulfillment of the condition of the contractor for the benefit of the workers under the said Act. The contract shall indemnify GIDC against any payment to be made for the observance of the regulations aforesaid.

The contractor shall produce his certificate of registration with RPFC while entering to agreement; the same shall be produced within one month from the date of work order. If the contractor fails to produce proof of its registration R.P.F.C and an amount deducted of the gross amount payable to the contractor shall be recovered from his running account bills from the 1st R.A. bill and these deductions shall be continued to be made from each R.A. bill of the rate of decided by authority of the gross amount of the R.A. bill till registration from RPFC is obtained and produced to the NAO.

The Contractor shall follow the Labour Contract Act:

The contractor tendering for the work shall have to obtain license under the labour contractor (Regulation and Abolition) Act, 1970 within a week of award of work and comply with all the amenities for the amenity, if not provided by the Contractor. Such amenity shall be provided by the Notified Area Officer, as principal employees as his representative within the prescribed time and the expense incurred by the principal employer providing the amenity shall be recovered by the amount payable to the contractor. The contractor shall act in accordance with the provision of the Act in all respect and shall above the principal employer shall nominate a representative duly authorized by him to be present at the time of disbursement of wages and it shall be the duty of such representative to certify the amount paid as wages in such manner as may be prescribed.

The contractor shall provide every facility to the principal employer to maintain registers and records giving particulars of contract labour employer. The nature work performed by the contractor labour the rates of wages paid to the contractor labour and such other particulars that are prescribed or may be prescribed under the provisions of the said Act.

The Contractor shall follow: - The “ESI” Act:

Contractors are liable to comply the prevailing rules of “ESI” Act 1948 & accordingly he is advised to deposit a Xerox copy of challan at Notified area office every month, if failing to which Notified area office shall deduct ESI contribution @ 6.5% of the labor cost in involved or as the case may be

24) DECLARATION FORM

- a. I / We hereby declare that I/ We have visited/understood the site and fully acquainted myself/ourselves with the local situation regarding materials, labour and other factors pertaining to the work before this tender.
- b. I / We declare that I /We have carefully studied the conditions of contract; specifications & other tender documents of this work and agree to execute the same accordingly.

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

Name of Work: -Supply, Installation, Testing & Commissioning of Complete Fire Hydrant System including Pump House, Hydrant Network, Fire Alarm System, Accessories and Fire NOC @ NA GIDC Panoli. (Re-invite)

Scope of Work – Fire Hydrant System

Project: Fire Station Building, NA GIDC Panoli.

The scope of work includes the **design, supply, installation, testing and commissioning** of a complete fire hydrant system for the fire station building as per approved drawings, relevant IS standards and fire safety regulations. The work shall include providing hydrant pumps, jockey pump, diesel engine driven pump (if required), control panels, MS/DI piping network, isolation valves, non-return valves, butterfly valves, landing valves, fire hose pipes, hose reels, branch pipes, air release valves, pressure gauges and all necessary accessories. The contractor shall carry out fabrication, laying, jointing, painting, supports, civil foundation for pumps, connection to water storage tank, and integration with the building fire protection system. The system shall be tested for hydraulic performance, leakage and operational efficiency and commissioned complete in all respects, including submission of test certificates, operation manuals and obtaining necessary approvals from the fire authority.

Details Specification of Work

TECHNICAL SPECIFICATION ITEM WISE

Item No-01

Electrical Motor Driven Main Hydrant Pump (15 HP)

1. General Description

Type: Horizontal Centrifugal End Suction Pump

Design: Single stage, Back Pull-Out Type

Mounting: Base frame mounted with electric motor

Service: Fire Hydrant System

Operation: Continuous duty

2. Performance Parameters

Parameter	Specification
Pump Capacity	600 LPM
Head	70 Meter
Pump Type	Horizontal End Suction
Power Rating	15 HP (≈ 11 kW)
Speed	2900 RPM
Efficiency	As per manufacturer standard
Liquid	Clean water

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Parameter	Specification
Maximum Working Pressure	Up to 10–16 bar

3. Pump Construction

Component	Material / Specification
Pump Casing	Cast Iron (FG 200 / FG 260)
Impeller	Bronze / SS-304 enclosed type
Shaft	Stainless Steel (SS-410 / SS-420)
Shaft Sleeve	Stainless Steel
Mechanical Seal	Carbon / Ceramic / NBR
Bearings	Grease lubricated anti-friction ball bearings
Coupling	Flexible coupling with guard
Base Plate	Fabricated MS base frame

4. Electric Motor Specification

Parameter	Specification
-----------	---------------

Type	Squirrel Cage Induction Motor
Power	15 HP (11 kW)
Phase	3 Phase
Voltage	415 V $\pm 10\%$
Frequency	50 Hz
Speed	2900 RPM
Protection	IP55
Insulation	Class F
Duty	Continuous (S1 Duty)

Industrial centrifugal pumps typically use TEFC motors with IP55 protection and F-class insulation for reliable operation.

5. Design Standards

Pump design conforming to ISO 2858 / ISO 5199 standards
 Back pull-out construction for easy maintenance
 Dynamically balanced impeller.
 Hydrostatic test as per standard.

6. Accessories

Pressure gauge (suction & delivery).
 Non-return valve.
 Sluice / butterfly valve.
 Flexible coupling guard.
 Base frame with foundation bolts.

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7. Application
Fire Hydrant System
Sprinkler Systems

Item No-02

Electrical Motor Driven Jockey Pump – 7.5 HP

1. General Description

The Jockey Pump shall be horizontal centrifugal end suction, back pull-out type, electrically driven and designed to maintain pressure in the fire hydrant network by compensating for minor pressure drops or leakage in the system. Jockey pumps are normally used as pressure-maintenance pumps in fire protection systems to avoid unnecessary starting of the main fire pump.

2. Pump Duty Parameters

Sr. No	Parameter	Specification
1	Pump Type	Horizontal Centrifugal End Suction Back Pull-Out
2	Service	Fire Hydrant / Fire Fighting System
3	Rated Discharge	180 LPM
4	Rated Head	70 MTR
5	Pump Capacity	Minimum 3% of main pump capacity (as per fire system norms)
6	Liquid Handled	Clean Water
7	Liquid Temperature	Ambient
8	Operating Speed	Approx. 2900 RPM
9	Pump Efficiency	As per manufacturer standard
10	Shut-off Head	Not more than 120% of rated head

Fire pumps are generally designed to deliver 150% of rated discharge at 65% head and withstand higher working pressure conditions.

3. Pump Construction Details

Component	Material of Construction
Pump Casing	Close grained Cast Iron (FG-200 / IS 210)
Impeller	Bronze / Gunmetal
Shaft	Stainless Steel (SS-410 / SS-304)
Shaft Sleeve	Stainless Steel
Wear Rings	Bronze / Gunmetal
Mechanical Seal	Carbon / Ceramic or Equivalent
Bearings	Anti-friction ball bearings
Coupling	Flexible Love-Joy / Pin Bush Type

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Component	Material of Construction
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Base Frame	Fabricated Mild Steel
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Pump casing shall be capable of withstanding at least 1.5 times the working pressure.

4. Electric Motor Specifications

Parameter	Specification
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Motor Type	Squirrel Cage Induction Motor
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Motor Rating	7.5 HP (5.5 kW)
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Voltage	415 V \pm 10%
---------	-----------------

Phase	3 Phase
-------	---------

Frequency	50 Hz
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Speed	2900 RPM (approx.)
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Protection	IP-55
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Insulation	Class F
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Duty	Continuous
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Mounting	Foot Mounted
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Efficiency	IE2 / IE3
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5. Pump Connections

Item	Specification
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Suction Size	50 mm (Approx.)
--------------	-----------------

Delivery Size	40–50 mm (Approx.)
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Flange Standard	ANSI B16.5 / IS Standard
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Pressure Rating	Suitable for Fire System
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6. Scope of Supply

Jockey Pump with base frame

7.5 HP electric motor

Flexible coupling with guard

Pressure gauge on suction & delivery

Non-return valve (NRV)

Isolation valves

Pressure switch with controller

Foundation bolts

7. Standards & Codes

The pump shall comply with the following:

IS 1520 / IS 9137 – Centrifugal Pumps

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IS 15301 – Fire Fighting Pumps
TAC / NFPA-20 Guidelines
ISO / BIS standards

Item-03

Diesel Engine for Centrifugal Fire Pump (26 BHP)

1. General

The diesel engine shall be supplied as a prime mover for centrifugal fire pump having capacity 900 LPM at 70 m head. The engine shall be suitable for continuous duty operation and comply with relevant standards for fire pump drives. The engine and pump shall be mounted on a common fabricated base frame with flexible coupling and guard.

2. Engine Basic Data

Sr. No.	Parameter	Specification
1	Engine Type	Compression ignition diesel engine
2	Cycle	4 strokes
3	Cooling System	Water cooled radiator type
4	Aspiration	Naturally aspirated
5	Cylinders	Multi-cylinder (3 or 4 cylinder)
6	Rated Power	Minimum 26 BHP
7	Rated Speed	1500 RPM
8	Fuel System	Direct fuel injection system
9	Governing	Mechanical / electronic governor
10	Starting System	12/24 V electric start with battery
11	Rotation	Clockwise / anticlockwise as required
12	Duty	Continuous duty

The engine rating shall be minimum 20% higher than the maximum brake horsepower required to drive the pump at duty point and capable of operating at 150% rated flow conditions.

3. Performance Requirements

Parameter	Requirement
Pump Capacity	900 LPM
Pump Head	70 meters
Engine Power	Minimum 26 BHP
Operating Speed	~1500 RPM
Overload Capacity	10% overload for 1 hour in 12 hours continuous operation
Continuous Operation	Suitable for long duration fire duty

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Fire pump diesel engines must maintain reliable torque and constant speed during emergency operation.

4. Cooling System

Radiator or heat-exchanger type cooling system.

Cooling water circulation through engine driven pump.

Cooling circuit connected with fire pump discharge if heat exchanger type is used.

Temperature gauge and low coolant alarm provided.

5. Fuel System

Diesel fuel conforming to standard industrial diesel.

Fuel injection pump with mechanical governor.

Fuel tank with minimum 6–8 hours operation capacity.

Fuel filter and water separator provided.

6. Lubrication System

Forced lubrication with gear driven oil pump.

Replaceable oil filter cartridge.

Oil pressure gauge and low oil pressure protection.

7. Starting System

Electric starter motor.

12V / 24V battery system with battery charger.

Provision for minimum two starting batteries for reliable start.

8. Instrumentation & Controls

The engine shall be provided with:

Tachometer (RPM indicator).

Oil pressure gauge.

Engine coolant temperature indicator.

Hour meter.

Low oil pressure shutdown.

High temperature alarm.

Emergency stop switch.

9. Coupling & Mounting

Engine shall be directly coupled with pump using flexible coupling.

Coupling guard shall be provided.

Mounted on common MS fabricated base frame with foundation bolts.

10. Accessories

The diesel engine shall be supplied complete with:

Exhaust silencer with piping.

Fuel tank with piping.

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Air filter.
 Battery and charger.
 Control panel.
 Flexible coupling and guard.
 Foundation bolts.
 Tool kit.

11. Standards

The diesel engine shall comply with:
 NFPA-20 – Fire Pump Installation Standard
 IS 10002 – Performance requirements for diesel engines
 Relevant fire pump system standards.

Item-04

Electric Control Panel for Fire Hydrant Pump System

1. Description

Supply, installation, testing and commissioning of Common Automatic Control Panel for Fire Hydrant Pumps suitable for automatic operation of Main Electric Fire Pump and Jockey Pump complete with starters, protections, control circuitry, indicating lamps, push buttons, low level indicator and all necessary accessories.

The panel shall automatically control and protect the pumps based on pressure switch signals and water level interlocks ensuring reliable operation of the fire hydrant system.

2. Type of Panel

Type: Automatic Fire Pump Control Panel
 Operation: Automatic / Manual / Emergency
 Mounting: Floor mounted / Wall mounted
 Construction: Metal enclosed cubicle type
 Degree of Protection: IP-54 / IP-55
 Application: Fire Hydrant Pump System

3. Electrical Rating

Supply Voltage: 415 V $\pm 10\%$, 3 Phase, 4 Wire
 Frequency: 50 Hz
 Control Voltage: 230 V AC / 24 V DC (through control transformer)
 Short Circuit Rating: As per system fault level

4. Panel Construction

Panel fabricated from CRCA sheet steel (minimum 2 mm thick).
 Fully powder coated with epoxy powder coating (shade RAL-7032).
 Dust and vermin proof enclosure with neoprene rubber gaskets.
 Suitable ventilation for heat dissipation.
 Separate compartments for:
 Incoming section.
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Busbar chamber.

Starter section.

Control wiring section.

Panel design shall conform to IS 8623 / IEC 61439 standards.

5. Busbar Arrangement

High conductivity tinned copper busbars.

Busbar insulation with heat shrinks sleeves.

Busbar supports made of SMC / DMC insulation material.

Designed to withstand short circuit fault levels.

6. Incoming Protection

MCCB (Moulded Case Circuit Breaker) suitable rating with:

Overload protection.

Short circuit protection.

Adjustable thermal magnetic trip.

7. Starter Arrangement

7.1 Main Fire Pump

Starter Type: Automatic Star Delta (ASD) Starter

Components:

3 AC Contactors

Thermal Overload Relay

Star-Delta Timer

Auxiliary Contacts

Interlocking system for safe switching.

7.2 Jockey Pump

Starter Type: DOL (Direct on Line) Starter

Components:

Contactor

Thermal Overload Relay

Control circuit protection

8. Control System

Fully Automatic Pump Operation based on system pressure.

Pressure switch / pressure transmitter control.

Jockey pump starts first to maintain line pressure.

Main pump starts automatically if pressure drops further.

Manual override facility for testing and maintenance.

Fire pump panels automatically start pumps when pressure drops in the hydrant system ensuring continuous fire protection.

9. Indication & Controls

Panel shall be provided with the following:

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Indication Lamps

Power ON

Phase Healthy

Pump Running (Main Pump)

Pump Running (Jockey Pump)

Trip Indication

Low Water Level Alarm

Push Buttons

Start / Stop Main Pump

Start / Stop Jockey Pump

Emergency Stop

10. Protection Features

Phase failure protection

Phase reversal protection

Motor overload protection

Short circuit protection

Dry run / low level protection

Single phasing protection

11. Low Level Indicator

Float switch / level sensor provided in water tank.

Prevents pump operation in case of low water level.

Alarm indication on panel.

12. Metering

Voltmeter with selector switch

Ammeter with selector switch

Control fuses / MCBs

13. Internal Wiring

FRLS copper control wiring.

Ferruled terminals and numbered wiring.

Wiring with PVC insulated copper conductors 660/1100V grade.

14. Cable Entry

Top / bottom cable entry with detachable gland plate.

Suitable cable lugs and glands provided.

15. Standards

Panel shall comply with following standards:

IS 8623 / IEC 61439 – LT Panels

IS 12469 – Fire Pump Control Panels

NFPA-20 – Fire Pump Installation

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IS 732 – Electrical Wiring

Item No-05

Supply, Erection, Testing and Commissioning of G.I. “C” Class Pipes (IS 1239)

1. Scope of Work

The work shall include supplying, transporting, erecting, jointing, testing and commissioning of Galvanized Iron (G.I.) Pipes of “C” class (Heavy class) conforming to relevant Indian Standards for water supply / firefighting pipeline systems.

The scope shall also include providing all necessary fittings, threading, jointing materials, supports, clamps, excavation where required, painting, testing and commissioning complete in all respects.

2. Applicable Standards

The materials shall conform to the latest revision of the following standards:

IS 1239 (Part-1) – Mild Steel Tubes, Tubulars and other Wrought Steel Fittings (Heavy Class)

IS 1239 (Part-2) – Pipe Fittings of Mild Steel

IS 4736 – Hot dip Zinc coating on Mild Steel Pipes

IS 1477 – Code of practice for painting of ferrous metals

3. Material Specification

Pipes shall be Galvanized Iron (GI) Heavy Class “C” pipes.

Pipes shall be hot dip galvanized inside and outside.

Pipes shall be seamless or ERW welded pipes with uniform wall thickness.

Pipes shall be threaded at both ends as per IS specification and supplied with socket.

Pipes shall be free from cracks, laminations, surface defects or any manufacturing flaws.

4. Pipe Size and Wall Thickness

Nominal Bore (NB)	Outside Diameter (mm)	Approx. Wall Thickness (mm)	Class
15 mm (½")	21.3 mm	3.2 mm	C Class
20 mm (¾")	26.9 mm	3.2 mm	C Class
25 mm (1")	33.7 mm	3.6 mm	C Class
32 mm (1¼")	42.4 mm	3.6 mm	C Class
40 mm (1½")	48.3 mm	4.0 mm	C Class
50 mm (2")	60.3 mm	4.0 mm	C Class
65 mm (2½")	76.1 mm	4.5 mm	C Class
80 mm (3")	88.9 mm	4.8 mm	C Class
100 mm (4")	114.3 mm	5.4 mm	C Class
150 mm (6")	168.3 mm	5.4 mm	C Class

(Wall thickness may vary slightly as per latest IS 1239 specifications.)

5. Pipe Fittings

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All fittings shall conform to IS 1239 Part-2 and include:

Elbows

Tees

Reducers

Couplings

Unions

Nipples

Flanges (where required)

Fittings shall be galvanized malleable iron or forged steel suitable for heavy class GI pipes.

6. Jointing

Pipe joints shall be made by:

Threaded joints

Using GI sockets / couplings

PTFE tape / approved pipe sealant for leak-proof joints.

All threads shall be machine cut and clean.

7. Installation / Erection

Pipes shall be installed true to alignment and slope.

Adequate pipe supports, clamps, hangers and brackets shall be provided.

Supports shall be provided at suitable intervals depending upon pipe size.

Pipes shall be protected from mechanical damage during installation.

8. Painting

After erection, the pipes shall be cleaned and painted as follows:

One coat of red oxide primer.

One coat of approved finishing paint.

Paint shall conform to IS painting standards and color shall be as approved by the engineer.

9. Testing

The pipeline shall be tested after installation.

Hydrostatic pressure test shall be conducted.

Test pressure shall be 1.5 times the working pressure or as specified by the engineer.

All joints shall be checked for leakage.

Any leakage shall be rectified and the test repeated until satisfactory.

10. Measurement

Measurement shall be done in running meter (RMT) of pipe length installed including fittings, jointing and painting.

Item No-06

Standard Response Pendant Type Sprinkler (Recessed Type)

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

1. Scope of Work
Supply, installation, testing and commissioning of Standard Response Automatic Fire Sprinklers complete with recessed adjustable rosette, suitable for fire protection sprinkler systems including all accessories required for proper functioning.

2. Standards

The sprinkler shall conform to the following standards:

UL Listed / UL Approved Automatic Fire Sprinkler

Conforming to NFPA-13 – Standard for Installation of Sprinkler Systems

Relevant provisions of IS 15105 – Automatic Fire Detection and Alarm System Code (where applicable)

3. Type of Sprinkler

Parameter	Specification
Type	Standard Response Automatic Sprinkler
Installation	Pendant Type
Mounting	Recessed with Adjustable Rosette
Nominal Size	15 mm / 20 mm
Orifice Size	Standard (K-factor approx. 5.6 or equivalent)
Temperature Rating	68°C (Ordinary Temperature Classification)
Response Type	Standard Response
Thread Connection	BSPT / NPT as per manufacturer
Deflector Position	Pendant Deflector

4. Construction / Material

Component	Material
Body / Frame	Forged Brass
Deflector	Brass
Bulb	Quartz Glass Bulb
Sealing Assembly	Stainless Steel Spring with Teflon / suitable sealing
Rosette Plate	Chrome plated steel / brass
Finish	Natural brass / chrome plated

5. Performance Requirements

Sprinkler shall operate automatically when the glass bulb bursts at 68°C. Sprinkler shall be capable of withstanding system pressure and water hammer without leakage. Designed for uniform water distribution over the protected area. Working pressure: Up to 12 Bar or higher as per UL listing. Factory tested for hydrostatic pressure and operating temperature.

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6. Recessed Rosette Assembly

Adjustable recessed escutcheon / rosette plate suitable for false ceiling installation. Adjustment range: approx. 10–15 mm. Finish: Chrome plated / white coated. Designed to conceal pipe penetration and provide neat appearance.

7. Installation

Installation shall be carried out as per NFPA-13 guidelines. Sprinklers shall be installed using approved sprinkler spanner. Care shall be taken to avoid damage to the glass bulb. Proper alignment with ceiling finish shall be maintained.

8. Testing & Commissioning

Entire sprinkler piping system shall be tested at 1.5 times the working pressure. Visual inspection of all sprinklers for damage and alignment. Flushing of piping before sprinkler installation. Functional testing as part of the complete fire protection system commissioning.

9. Accessories (Included)

Recessed adjustable rosette plate Thread sealant / PTFE tape Protective caps (during installation)

Item No-07

Butterfly Valve (PN-16) – 80 mm & 100 mm Dia

1.	Scope	of	Work
The work shall include Supply, Erection, Testing and Commissioning (SETC) of Butterfly Valves of PN-16 pressure rating, complete with all accessories such as matching flanges, gaskets, nuts, bolts, washers and necessary fittings, as per approved drawings and technical specifications for the fire water / hydrant / pipeline system.			

1. Applicable Standards

The butterfly valves shall conform to the latest editions of the following standards:

IS 13095 – Butterfly Valves for General Purpose

IS 1538 – Cast Iron Castings

IS 210 / IS 1729 – Grey Iron Castings

IS 780 – Sluice Valves / Valve Inspection

IS 6392 – Steel Pipe Flanges

IS 1367 – Technical Supply Conditions for Fasteners

IS 2062 – Structural Steel for Flanges (where applicable)

Valves shall be ISI marked.

2. Type of Valve

Type: Resilient seated Butterfly Valve

Operation: Lever operated / Gear operated

Installation: Wafer / Lug type suitable for flanged connection

Pressure Rating: PN-16 (16 Kg/cm² working pressure)

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3. Size of Valve

Sr No	Valve Size	Pressure Rating	End Connection
1	80 mm Dia	PN-16	Flanged
2	100 mm Dia	PN-16	Flanged

4. Material of Construction

Component	Material
Valve Body	Cast Iron / Ductile Iron
Disc	Ductile Iron / SS 304 / SS 316
Stem / Shaft	Stainless Steel SS-410 / SS-304
Seat	EPDM / Nitrile Rubber
O-Ring	EPDM / NBR
Fasteners	High Tensile Steel / GI

5. Construction Features

Valves shall be bubbling tight shut-off type. Disc shall be centrally located and dynamically balanced. Seat shall be replaceable resilient rubber seat ensuring zero leakage. Shaft shall be one piece or two-piece design with anti-blowout protection. Valves shall be suitable for bidirectional flow. Internal parts shall be corrosion resistant.

6. Accessories

The valve shall be supplied complete with:

Matching MS / CI flanges.

Rubber gaskets.

High tensile nuts, bolts and washers.

Hand lever / gear operator.

Position indicator.

Mounting hardware.

7. Surface Protection

External surface shall be coated with two coats of epoxy paint or fusion bonded epoxy coating minimum coating thickness 250 microns.

8. Installation

Valves shall be installed in horizontal / vertical pipelines as per drawings. Proper alignment and tightening of bolts shall be ensured. Suitable gaskets shall be used to prevent leakage.

9. Testing

Each valve shall be factory tested for:

Hydrostatic Body Test: 24 Kg/cm²

Seat Leakage Test: 16 Kg/cm²

After installation, site pressure testing shall be carried out to ensure leak-proof operation.

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Item No-08

C.I. Dual Plate Type Non-Return Valve (NRV) – 100 mm

1. Scope

Supply, installation, testing and commissioning of ISI marked Cast Iron Dual Plate Type Non-Return Valve (NRV) suitable for water line applications, complete with rubber seated plates, flanges, fasteners, gaskets and all accessories required for proper installation and operation.

2. Type of Valve

Dual Plate (Wafer Type) Non-Return Valve / Check Valve.

3. Size

100 mm diameter.

4. Design & Manufacturing Standard

Conforming to IS 5312 / IS 13095 or equivalent standard for check valves. Face to face dimensions as per API 594 / EN 558. Flange drilling suitable for PN 16 rating as per IS 1538 / BS EN 1092-2.

5. Material of Construction

Component Material

Body Cast Iron Grade FG-200 as per IS 210

Dual Plates Stainless Steel / Ductile Iron

Seat EPDM / Nitrile Rubber

Spring Stainless Steel (SS-304 / SS-316)

Shaft / Pin Stainless Steel

Fasteners Stainless Steel

6. Pressure Rating

PN-16 (Suitable for working pressure up to 16 kg/cm²).

7. End Connection

Wafer type suitable for installation between flanges. Compatible with standard PN-16 flanges.

8. Working Medium

Clean water / firefighting water / industrial water line.

9. Operating Features

Dual spring-loaded plates for quick closing.

Low pressure drop design.

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Rubber seated plates ensuring zero leakage.
 Non-slam closing action to prevent water hammer.
 Compact and lightweight design.

10. Installation

Valve shall be installed between two flanges in horizontal or vertical pipeline. All necessary nuts, bolts, washers, gaskets and supports shall be included. Installation shall be carried out as per manufacturer guidelines.

11. Testing

Hydrostatic body test and seat test shall be carried out as per relevant IS / API standards.
 Valve shall be tested for leakage and proper closing before commissioning.

12. Inspection & Approval

Valve shall be ISI marked and approved by engineer-in-charge. Manufacturer test certificate shall be submitted.

Item No-09

Pressure Gauge (0–10 Kg/cm² Range, 100 mm Dial Size)

(For Supply, Installation, Testing & Commissioning)

1. Type of Instrument:
 - Industrial Analog Pressure Gauge (Bourdon Tube Type)
2. Dial Size:
 - 100 mm diameter (4 inch)
3. Pressure Range:
 - 0 to 10 Kg/cm² (0–10 bar / approx. 0–150 psi)
4. Accuracy Class:
 - ±1.0% to ±1.6% of Full Scale
5. Operating Principle:
 - Bourdon tube pressure sensing element suitable for liquid, air, gas and water pressure measurement.
6. Dial & Pointer:
 - Aluminium dial with clear black graduation markings
 - Aluminium pointer with adjustable zero
7. Case Construction:
 - Stainless Steel / Mild Steel powder coated case
 - Weatherproof construction suitable for industrial use
8. Window Material:
 - Toughened glass / Polycarbonate transparent window
9. Process Connection:
 - ½" BSP / NPT male threaded bottom connection
10. Wetted Parts Material:
 - Bourdon Tube: SS-316 / Phosphor Bronze
 - Socket: SS-316 / Brass

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11. Mounting Type:

- Bottom entry type suitable for pipeline installation

12. Accessories:

- Needle valve / gauge cock
- Syphon tube (if required for steam service)
- Adapter / nipples
- Mounting fittings

13. Over-Pressure Protection:

- Gauge capable of withstanding up to 130% of full-scale pressure without damage.

14. Temperature Limits:

- Ambient temperature: -10°C to $+60^{\circ}\text{C}$
- Process temperature: up to 120°C

15. Ingress Protection:

- Minimum IP-54 / IP-65 enclosure protection

16. Calibration & Testing:

- Each gauge shall be factory calibrated and tested before supply.

17. Standards:

- Conforming to EN 837-1 / IS standards for industrial pressure gauges.

18. Installation Scope:

- Supply, installation, testing and commissioning complete with all accessories such as needle valve, nipples, fittings and mounting hardware.

Item No-10

Pressure Switch (0–10 Kg/cm²)

1. Scope

Supply, installation, testing and commissioning of pressure switch suitable for pressure range 0 to 10 Kg/cm² complete with accessories such as needle valve, fittings, mounting arrangement and electrical connections, for use in fire hydrant / pump automation system, complete in all respects as required.

2. Applicable Standards

The pressure switch shall comply with the following standards:

- IS 13947 – Low voltage switchgear and control gear
- IEC 60947 – Control circuit devices
- NFPA 20 – Standard for installation of stationary fire pumps (where applicable)

3. Type

- Type: Diaphragm / Piston operated adjustable pressure switch
- Operation: Automatic ON/OFF switching
- Mounting: Panel / Pipe mounted
- Reset: Automatic reset

4. Technical Parameters

Parameter	Specification
Pressure Range	0 – 10 Kg/cm ²

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Parameter	Specification
Adjustable Set Point	Fully adjustable within range
Differential	Adjustable
Switching Type	SPDT / DPDT microswitch
Maximum Working Pressure	Minimum 15 Kg/cm ²
Accuracy	±2% of full scale
Enclosure Protection	IP 54 or higher
Electrical Rating	230/415 V AC, 5–10 Amp
Process Connection	¼" or ½" BSP/NPT
Operating Temperature	0°C to 80°C
Wetted Parts	Stainless Steel / Brass

5. Construction

- Housing made of die cast aluminium / flame retardant thermoplastic.
- SS / Brass sensing element for corrosion resistance.
- Weatherproof enclosure suitable for industrial use.
- Pressure adjustment through calibrated screw mechanism.

6. Accessories

The pressure switch shall be supplied with:

- Needle valve (brass / SS)
- Pressure gauge isolation fitting (if required)
- GI / SS impulse tubing
- Mounting bracket
- Cable gland
- Electrical terminal connectors
- Union fittings

7. Installation

- Installed on pump discharge / system pressure line.
- Connected through impulse line with needle valve.
- Wiring shall be done to pump control panel for automatic operation.
- Proper vibration-free mounting shall be ensured.

8. Testing & Commissioning

The following tests shall be carried out:

- Pressure calibration test
- Switching operation test
- Leakage test
- Functional test with pump control panel

Item No-11

Signature of Contractor

Chief Officer,
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SS Fire Hydrant Single Landing Valve (80 mm)

Description:

Supply, installation, testing and commissioning of Stainless-Steel Fire Hydrant Single Landing Valve with 80 mm NB flanged inlet and 63 mm female instantaneous outlet, complete with blank cap, chain, twist release lug, orifice plate and all necessary accessories as required for proper operation in a fire hydrant system.

1. Type

- Type: Single Landing Valve (Hydrant Valve)
- Operation: Spindle operated screw-down type
- Installation: Fire Hydrant System / Hydrant Stand Post / Riser

2. Size

- Inlet Size: 80 mm NB flanged inlet
- Outlet Size: 63 mm dia instantaneous female coupling outlet

3. Material of Construction

Component Material

Valve Body Stainless Steel (SS 304 / SS 316)

Bonnet Stainless Steel

Spindle Stainless Steel

Seat Gunmetal / Bronze

Hand Wheel Cast Iron / Stainless Steel

Orifice Plate Stainless Steel

Chain & Cap Stainless Steel

Blank Cap Brass / SS with rubber washer

4. Design & Construction

- Valve shall be right angle pattern single outlet landing valve.
- Designed for quick connection of fire hose.
- Screw-down type valve with non-rising spindle.
- Provided with standard instantaneous coupling outlet suitable for fire hose pipe connection.
- Outlet shall be fitted with blank cap secured by chain.
- Valve shall have twist release type lug coupling for easy operation.
- Provided with orifice plate to control excessive pressure where required.

5. Pressure Rating

- Working Pressure: Minimum 16 Kg/cm²
- Hydrostatic Test Pressure: Minimum 24 Kg/cm²

6. Standards

Valve shall conform to:

- IS 5290 – Landing Valves for Fire Fighting

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- IS 903 – Fire Hose Delivery Coupling
- NFPA / TAC guidelines (where applicable)

7. Accessories

Each landing valve shall be supplied with:

- Blank cap with chain
- Twist release lug coupling
- Stainless steel orifice plate
- Rubber gasket
- Mounting bolts and nuts
- Necessary fittings for connection to hydrant pipe line

8. Installation

- Valve shall be installed on hydrant riser pipe / stand post.
- Flanged connection shall be made with MS/SS bolts, nuts and gaskets.
- Installation shall ensure easy accessibility and proper orientation of outlet.

9. Testing

Following tests shall be carried out:

- Hydrostatic pressure test
- Leakage test
- Operational test of spindle and valve opening

Testing shall comply with IS 5290 and fire safety norms.

Item No-12

Technical Specification – First Aid Hose Reel (25 mm × 30 m)

(For Fire Fighting System – As per IS 884 with latest amendments)

1. Scope

Supply, erection, testing and commissioning of First Aid Hose Reel suitable for firefighting system, complete with hose, reel drum, nozzle, inlet valve, and mounting arrangement, conforming to IS 884 and latest amendments. The hose reel shall be suitable for installation in buildings for quick response firefighting applications.

Technical Specifications

1. Type

- First Aid Hose Reel – Swinging / Wall mounted type
- Suitable for 25 mm dia hose with 30 m length

2. Applicable Standards

- IS 884 – First Aid Hose Reel for Fire Fighting
- Hose Pipe – IS 12585 / IS 444 (as applicable)
- Branch Pipe / Nozzle – IS 8090
- Mild Steel Components – IS 513 / IS 1239

3. Construction

- Hose reel drum fabricated from Mild Steel (MS) sheet.
- Complete assembly mounted on heavy duty wall bracket with 180° swinging arm.
- Provided with swivel joint for smooth rotation and easy unwinding of hose.
- Reel designed to accommodate 30 m hose without external projection.

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4. Hose Pipe

- Type: Semi rigid thermoplastic hose
- Internal Diameter: 25 mm
- Length: 30 m
- Conforming to IS 12585
- Working Pressure: Minimum 10–12 bar
- Colour: Red / as per fire safety requirement

5. Drum / Reel Assembly

- Material: Mild Steel
- Approx. Drum Diameter: ≈ 550 –560 mm
- Thickness: 1.2 mm MS sheet or higher
- Finish: Spray painted in Post Office Red corrosion resistant coating.

6. Inlet & Valve

- Inlet size: 20 mm or 25 mm stop valve
- Type: Brass / Gunmetal stop valve with threaded connection
- Compatible with hose diameter.

7. Nozzle

- Type: Jet / Spray / Shut-off nozzle
- Material: Brass / Gunmetal
- Capable of delivering jet or fog pattern
- Nozzle inlet matched with hose outlet.

8. Performance Requirements

- Hydrostatic test pressure: 21 kg/cm² for 5 minutes
- Maximum working pressure: 10 bar without leakage
- Water flow rate (25 mm hose): Minimum 44 LPM
- Jet range: Minimum 6 m at 7 kg/cm² pressure.

9. Testing

Each hose reel shall be tested for:

- Leakage test
- Hydrostatic pressure test
- Impact resistance test
- Load test
- Flow rate and jet range test
- Smooth swinging and reel action.

10. Finish

- All MS parts cleaned, primed and painted with Post Office Red enamel paint.
- Corrosion resistant finish suitable for indoor fire installations.

11. Accessories (Complete Set)

- 25 mm \times 30 m thermoplastic hose
- Hose reel drum with spindle
- Wall mounting bracket with swinging arm
- 20/25 mm stop valve
- Brass jet/spray nozzle
- Hose guide

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- Fasteners and mounting hardware

Installation: The hose reel shall be installed near fire hose cabinet / landing valve area for immediate use during fire emergency.

Item No-13

Technical Specification – Weather Proof Standard Fire Hose Cabinet (Wall Mounting Type)

1. Description

Supply, erection, testing and commissioning of Weather Proof Fire Hose Cabinet, wall mounting type, suitable for housing 1 No. Fire Hose Pipe, 1 No. Branch Pipe and 1 No. Nozzle Spanner, complete with all accessories as required.

2. Cabinet Construction

- Type: Wall Mounted
- Overall Size: 450 mm (H) × 450 mm (W) × 150 mm (D)
- Material: Mild Steel Sheet not less than 1.2 mm thick
- Construction: Fully welded and rigid structure with smooth edges.
- Cabinet shall be weather proof and suitable for indoor or outdoor installation.

3. Door Arrangement

- Single door opening type with concealed hinges.
- Door shall be fitted with transparent acrylic / glass viewing panel (optional as per design) for visibility of equipment.
- Locking arrangement with Allen Key type lock to prevent unauthorized access.
- Door shall open minimum 180° for easy access.

4. Surface Finish

- Cabinet shall be phosphate and powder coated / spray painted.
- Colour: Post Office Red (Fire Red Shade).
- Coating shall be corrosion resistant and suitable for outdoor conditions.

5. Mounting Arrangement

- Cabinet shall be provided with suitable wall mounting brackets / holes for firm fixing on wall surface.
- Necessary fasteners, anchor bolts and hardware shall be included.

6. Equipment Accommodation

Cabinet shall be designed to safely accommodate:

- 1 No. Fire Hose Pipe (63 mm dia × 15 m / 30 m length)
- 1 No. Branch Pipe with Nozzle
- 1 No. Nozzle Spanner

Internal space shall be adequate for easy placement and removal of firefighting accessories.

7. Weather Protection

- Cabinet shall be dust proof and rain resistant.
- Door edges shall have rubber / neoprene beading to prevent water ingress.

8. Marking

- The cabinet door shall have “FIRE HOSE” / “FIRE” clearly printed in white letters.
- Letter height minimum 50 mm for visibility.

9. Installation & Testing

- Cabinet shall be installed at accessible height near fire hydrant points.

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- Proper alignment and secure mounting shall be ensured.
- All equipment shall be checked for easy accessibility and operational readiness after installation.

10. Standards

The cabinet and associated equipment shall comply with relevant provisions of:

- IS 884 – Fire Hose Delivery Couplings, Branch Pipes and Nozzles
- IS 5290 – Landing Valves
- NBC (National Building Code of India) Fire Safety Requirements

Item No-14

Technical Specification – Fire Hose Pipe Type-A (63 mm Dia, 15 m Length)

1.Scope

Supply, installation, testing and commissioning of Type-A Fire Hose Pipe suitable for Fire Hydrant System complete with instantaneous couplings, wire binding and all accessories as required for proper operation.

2. Standard Compliance

- Fire Hose Pipe shall conform to IS 636 Type-A with latest amendments.
- Couplings shall conform to IS 903.

3. Size and Length

- Nominal Diameter: 63 mm
- Length: 15 meters
- Type: Type-A Fire Hose (Rubber Lined, Reinforced)

4. Construction

- Inner Lining:
Smooth rubber lining made of synthetic rubber ensuring low friction loss and resistance to abrasion and water pressure.
- Outer Jacket:
Circular woven synthetic yarn / polyester reinforcement treated to resist mildew, rot, fungus and abrasion.
- Reinforcement:
High strength woven jacket capable of sustaining high pressure without deformation.

5. Pressure Rating

- Working Pressure: Minimum 7 kg/cm²
- Test Pressure: Minimum 21 kg/cm²
- Burst Pressure: Minimum 35 kg/cm² or higher as per IS standards.

6. Couplings

- Hose shall be supplied with 63 mm diameter male and female instantaneous type couplings.
- Couplings shall be made of Gunmetal / Stainless Steel as approved.
- Couplings shall be securely attached using annealed copper wire binding / stainless steel wire binding.

7. Performance Requirements

- Hose shall withstand hydraulic pressure without leakage or damage.
- Hose shall be flexible, lightweight and easy to handle during firefighting operations.

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- Resistant to corrosion, abrasion and weather conditions.

8. Accessories

Each hose pipe shall be supplied complete with:

- Male & Female instantaneous couplings
- Wire binding
- Rubber washer / gasket
- Test certificate from manufacturer.

9. Installation

Hose pipe shall be properly placed inside the fire hose cabinet / hose reel drum and connected to hydrant valve through instantaneous coupling for immediate use.

10. Testing & Commissioning

- Hydrostatic pressure testing shall be carried out as per IS 636.
- Hose shall be checked for leakage, coupling tightness and proper flexibility before commissioning.

Item No-15

Technical Specification – 63 mm Instantaneous Pattern Branch Pipe with 16 mm Nozzle

1.Scope

Supply, installation, testing and commissioning of 63 mm diameter instantaneous pattern branch short pipe with 16 mm nozzle, suitable for connection with fire hose pipe coupling for firefighting applications in hydrant systems, complete with all accessories as required.

2. Applicable Standards

The equipment shall conform to the latest editions and amendments of the following standards:

- IS 903 – Specification for Fire Hose Delivery Couplings, Branch Pipe, Nozzle and Nozzle Spanner
- IS 884 – First Aid Hose Reel for Fire Fighting (reference for firefighting equipment compatibility)

3. Construction

- Branch pipe shall be short pattern instantaneous type designed for quick connection to 63 mm fire hose coupling.
- Body shall be manufactured from gunmetal / stainless steel / aluminium alloy with smooth internal finish to minimize friction losses.
- The nozzle shall be detachable type made of gunmetal or stainless steel.
- The equipment shall be robust and corrosion resistant suitable for firefighting duty.

4. Size and Dimensions

- Inlet Size: 63 mm instantaneous male coupling
- Nozzle Diameter: 16 mm
- Type: Short branch pipe with detachable nozzle
- Length: Standard as per IS requirements.

5. Coupling

- The inlet shall be provided with 63 mm instantaneous male coupling compatible with standard fire hose couplings.
- Coupling shall have spring loaded locking arrangement / lugs for quick connection.

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- Rubber washer shall be provided for leak proof connection.
6. Performance Requirements
- The branch pipe shall deliver a solid jet of water with minimum turbulence.
 - It shall be capable of operating effectively at working pressure up to 7–10 kg/cm².
 - No leakage or deformation shall occur during operation.
7. Finish
- Metallic parts shall be polished or chromium plated / corrosion resistant finished.
 - Surfaces shall be free from casting defects, burrs or sharp edges.
8. Accessories
- Detachable 16 mm nozzle.
 - Rubber washer / gasket.
 - Instantaneous coupling arrangement compatible with fire hose pipe.
9. Installation & Testing
- The branch pipe shall be connected to the hose pipe and tested under system pressure.
 - The unit shall be checked for leakage, proper jet formation and secure coupling connection.
 -

Item No-16

Technical Specification – 2 Way Fire Brigade Inlet (63 mm dia)

1. Description

Supply, installation, testing and commissioning of 2 Way Fire Brigade Inlet suitable for connection to fire brigade hose lines for pressurizing the fire hydrant / sprinkler system during emergency.

2. Size and Type

- Type: Two Way Fire Brigade Inlet
- Inlet Size: 63 mm dia instantaneous type inlet connections (2 Nos.)
- Outlet Connection: 100 mm dia flanged connection suitable for hydrant / sprinkler pipeline

3. Material of Construction

- Body: Gunmetal / Stainless Steel / Cast Bronze heavy duty construction
- Non-return valve: Gunmetal / Stainless-Steel Spring-loaded type to prevent backflow
- Blank Cap: Gunmetal / Brass with rubber washer
- Chain: Brass / Stainless Steel chain to secure blank caps

4. Design and Construction Features

- Provided with two 63 mm instantaneous female inlets conforming to fire brigade standard coupling.
- Each inlet shall be provided with spring loaded non-return valve to prevent reverse flow.
- Provided with blank caps and chains to protect the inlet when not in use.
- Inlet body shall be designed for mounting on wall or fire brigade access location.
- Provided with drain plug for maintenance and testing.

5. Pressure Rating

- Suitable for working pressure up to 16 kg/cm².
- Hydrostatic test pressure: Minimum 24 kg/cm².

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6. Standards

- The fire brigade inlet shall conform to relevant provisions of:
 - IS 904 / IS 5290 (where applicable)
 - IS 13039 for firefighting equipment
 - Requirements of NBC (National Building Code of India) and Local Fire Authority.

7. Installation

- Installed at accessible location for fire brigade connection.
- Complete with necessary flanges, nuts, bolts, gaskets and supports.
- Properly aligned and connected to fire hydrant / sprinkler main line.

8. Testing and Commissioning

- Hydrostatic pressure testing after installation.
- Checking of non-return valves, blank caps and leakage.
- Functional test to ensure proper water flow into the system.

9. Finish

- External surface finished with corrosion resistant paint / epoxy coating or natural metal finish for SS/Gunmetal parts.

10. Accessories

- Blank caps with chain (2 Nos.)
- Non-return valves (2 Nos.)
- Drain plug
- Mounting arrangement
- All necessary hardware for installation.

Item No-17

Technical Specification – 1" Ball Valve

Item: Ball Valve

Size: 25 mm (1 inch)

1. Type

- Quarter-turn Ball Valve, full bore / standard bore type.
- Two-piece screwed body design suitable for isolation of water lines.

2. Size

- Nominal Size: 25 mm (1 inch).

3. Material of Construction

- Body: Forged Brass (CW617N) / Nickel plated brass.
- Ball: Chrome plated brass / Stainless steel.
- Stem: Brass blow-out proof stem.
- Seats / Seals: PTFE (Teflon).
- O-Ring: EPDM / NBR.
- Handle: Mild steel lever handle with plastic / vinyl coating.

4. End Connection

- Female threaded / screwed ends suitable for BSP / ISO threaded piping.

5. Pressure Rating

- PN-16 or minimum 16 Bar working pressure.

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6. Temperature Range

- -10°C to +120°C operating temperature.

7. Operation

- Lever operated quarter-turn mechanism (90° rotation) for quick open/close operation.

8. Design & Testing Standards

- Design: EN 13547 / equivalent international standard.
- Testing: EN 12266-1 / API 598 or equivalent.

9. Features

- Full bore for minimum pressure drops.
- Leak-proof PTFE seat sealing.
- Corrosion resistant body.
- Suitable for water supply, fire protection and industrial piping systems.
-

Item No-18

Technical Specification – 1" (25 mm) Air Release Valve

1. Scope

Supply, installation, testing and commissioning of 1" Air Release Valve for water / fire pipeline system to automatically release trapped air from the pipeline during operation and maintain smooth water flow.

2. Size

- Nominal Size: 25 mm (1 inch)
- Type: Automatic Air Release Valve (Single Orifice / Float Type)

3. Design & Operation

- Valve shall be automatic float operated type designed to release accumulated air from pressurized pipelines.
- When air accumulates in the chamber, the float drops and opens the orifice allowing air to escape; once water reaches the chamber the float rises and seals the orifice.

4. End Connection

- Threaded BSP / NPT connection for sizes up to 3".

5. Pressure Rating

- Working Pressure: Up to 12 bar (approx. 175 psi)
- Test Pressure: Minimum 20 bar

6. Material of Construction

- Body: Cast Iron / Ductile Iron / Bronze
- Float: Stainless Steel / Hard Rubber Ball Float
- Internal Mechanism: SS 304 / SS 316
- Seat / Orifice Button: Viton / Buna-N / EPDM

7. Temperature Range

- Suitable for water service up to 80°C.

8. Surface Protection

- Internal and external surfaces coated with Fusion Bonded Epoxy (FBE) or approved anti-corrosion coating.

9. Installation

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- Air release valves shall be installed at high points of pipelines, pump discharge lines, or where air pockets are likely to accumulate to ensure proper system operation.

10. Accessories

- Isolation Ball Valve / Gate Valve below the air valve
- Threaded fittings, nipples and unions as required
- Drain / test connection where applicable

11. Testing & Standards

- Valve shall be manufactured and tested in accordance with AWWA C512 / relevant IS standards.
- Hydraulic testing and leak testing shall be carried out before installation.

Item No-19

Scope of Work – Structural Steel Supports for Overground Pipes in Pump House

1. Supply of Structural Steel
Supplying structural steel sections such as MS channels, angles, flats, plates, clamps, U-bolts, anchor bolts, and other required accessories of suitable size for supporting overground firefighting pipelines, hose cabinets, and associated equipment in the pump house.
2. Fabrication of Supports
Fabrication of pipe supports, brackets, frames, stands, base plates, and mounting arrangements as per approved drawings and site requirements. Fabrication shall include cutting, drilling, welding, grinding, and finishing of structural members.
3. Surface Preparation and Painting
All structural steel components shall be cleaned, surface-prepared, and provided with one coat of anti-corrosive primer and two coats of synthetic enamel paint (generally Fire Red or approved colour) for protection against corrosion.
4. Installation and Erection
Erection and fixing of fabricated structural supports inside the pump house for proper alignment and support of overground pipes, hose cabinets, valves, and accessories. Supports shall be fixed to floor, wall, or ceiling using anchor fasteners, foundation bolts, or chemical anchors as required.
5. Alignment and Levelling
Ensuring proper alignment, spacing, and levelling of pipe supports to safely carry the load of pipelines filled with water and associated fittings without vibration or deflection.
6. Testing and Inspection
Checking the stability, strength, and workmanship of installed supports. All works shall be inspected and approved by the engineer/consultant before commissioning of the firefighting system.
7. Complete Work
The scope includes supply of all materials, labour, tools, equipment, welding electrodes, fasteners, anchor bolts, and incidental items required to complete the work as per specifications and site conditions.

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Item No-20

Scope of Work – Supply & Installation of G.I. Fittings and Accessories for Fire Pump House System

The scope of work shall include supply, fabrication, installation, testing and commissioning of G.I. fittings and accessories required for the Fire Pump House piping system. The contractor shall execute the work as per approved drawings, specifications and relevant IS standards.

1. Supply of Materials

- Supply of Galvanized Iron (G.I.) pipe fittings and accessories such as:
 - Tees (including fabricated tees)
 - Elbows
 - Bends
 - Reducers
 - Flanges
 - Gaskets
 - Nut bolts and washers
 - Tie rods
 - Bullet fasteners / anchor fasteners
 - Pipe supports and clamps
 - Any other accessories required for proper installation of the fire pump house piping system.
- All fittings shall be of approved make and conform to relevant IS standards and project specifications.

2. Fabrication Work

- Fabrication of tees and other required fittings from suitable thickness G.I./M.S. pipes where standard fittings are not available.
- Proper cutting, edge preparation, alignment and welding as required.
- Grinding and finishing of welded joints to ensure smooth flow and structural strength.

3. Installation Work

- Positioning and fixing of fittings in the Fire Pump House piping network including suction, delivery and interconnecting lines.
- Proper alignment and leveling of pipes and fittings.
- Installation of flanged joints with suitable rubber / CAF gaskets and tightening with nuts, bolts and washers.
- Fixing of supports, tie rods, anchor fasteners and bullet fasteners for proper pipe support and stability.
- Installation of reducers, bends, elbows and tees as per system layout.

4. Jointing and Fastening

- Proper bolting and tightening of flanges with required torque.
- Leak-proof joints using approved gaskets and sealing materials.
- Welding, threading or flanged connections as per system requirement.

5. Testing

- Checking of all joints, fittings and supports.

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- Hydrostatic testing of piping section after installation to ensure leak-proof performance.
- 6. Finishing and Protection
 - Cleaning of welded surfaces.
 - Application of primer and finishing paint where required.
 - Protection of exposed surfaces from corrosion.
- 7. Completion
 - Proper alignment, tightening, inspection and commissioning of the installed fittings.
 - The work shall be completed ready for operation of the Fire Pump House System.
- 8. Scope Includes
 - All labour, tools, tackles, consumables, scaffolding, transportation, handling and safety measures required for complete installation.

Item No-21

1. ABC Stored Pressure Fire Extinguisher – 6 Kg (MAP 50%)

Type: Portable Stored Pressure Dry Chemical Powder Fire Extinguisher

Capacity: 6 Kg

Extinguishing Medium:

Mono Ammonium Phosphate based ABC Dry Chemical Powder (MAP 50%) conforming to IS 14609.

Applicable Fire Class:

Class A (Solid combustibles), Class B (Flammable liquids), Class C (Gases) and Electrical fires.

Construction:

- Cylinder made of high-quality Mild Steel body
- MIG welded construction
- Internal discharge/siphon tube
- Brass squeeze-grip type discharge valve
- PVC braided hose with discharge nozzle
- Wall mounting bracket provided

Pressure Details:

- Working Pressure: Approx. 15 bar
- Test Pressure: 35 bar
- Minimum Burst Pressure: 55 bar

Performance:

- Minimum Discharge Time: ≥ 13 seconds
- Discharge Range: Minimum 2–5 m
- Fire Rating: Approx. 3A : 21B

Propellant Gas: Nitrogen

Operating Temperature:

-20°C to +55°C

Finish:

Epoxy powder coated red color (Shade 536 / 538 as per IS 5).

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Standards:

IS 15683:2006 with ISI mark.

2. CO₂ Fire Extinguisher – 4.5 Kg

Type: Portable Carbon Dioxide Fire Extinguisher

Capacity: 4.5 Kg

Extinguishing Agent:

High purity Carbon Dioxide (CO₂) gas.

Applicable Fire Class:

- Class B – Flammable liquids
- Electrical fires (ideal for electrical equipment and panels)

Construction:

- Seamless steel / alloy steel cylinder
- Heavy duty brass valve assembly
- Discharge horn made of high strength insulated plastic
- Safety pressure relief device provided
- Wall mounting bracket

Pressure Details:

- Working Pressure: Approx. 55–60 bar
- Test Pressure: Minimum 250 bar

Performance:

- Minimum Discharge Time: 8–12 seconds
- Discharge Range: 2–3 meters

Operating Temperature:

-20°C to +55°C

Finish:

Red epoxy powder coated cylinder with black discharge horn.

Standards:

IS 15683 / IS 2878 (as applicable) with BIS certification.

3. Modular Type Automatic Fire Extinguisher – 5 Kg

Type: Ceiling Mounted Modular Automatic Fire Extinguisher

Capacity: 5 Kg

Extinguishing Agent:

ABC Dry Chemical Powder (MAP based).

Activation Method:

- Automatic heat sensitive bulb / sprinkler type mechanism
- Activation Temperature: Typically, 68°C

Applicable Fire Class:

Class A, B, C and electrical fires.

Construction:

- Mild steel cylinder
- Ceiling mounted modular design
- Automatic temperature sensitive glass bulb actuator

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- Special spray nozzle for uniform powder distribution
- Mounting bracket with clamp

Operating Principle:

When ambient temperature reaches preset limit (approx. 68°C), the glass bulb bursts and the extinguishing powder is automatically discharged over the protected area.

Coverage Area:

Approx. 8–12 m² per extinguisher (depending on installation height).

Operating Temperature:

-10°C to +55°C

Finish:

Red epoxy powder coated body.

Standards:

Manufactured as per relevant BIS / fire safety standards and approved make.

Item No-22

Fire Alarm System (AGNI / ASES Make)

1. Fire Alarm Control Panel – 4 Zone

The Fire Alarm Control Panel shall be microprocessor based conventional type suitable for 4 zones and compatible with all field devices like detectors, MCPs and hooters.

Specifications

- Make: AGNI / ASES or approved equivalent
- Type: Conventional Fire Alarm Control Panel
- Zones: Minimum 4 Zones
- Input Supply: 230 V AC $\pm 10\%$, 50 Hz
- Operating Voltage: 24 V DC
- Battery Backup: 24 V DC sealed maintenance free battery with minimum 24 hrs standby + 30 minutes alarm condition
- Indications:
 - Power ON
 - Fire Alarm
 - Fault
 - Zone-wise alarm indication
- Controls:
 - Reset
 - Alarm silence
 - Buzzer silence
 - Lamp test
- Audible Buzzer: Built-in internal buzzer for alarm and fault
- Zone Monitoring: Open circuit and short circuit fault monitoring
- Enclosure: CRCA sheet steel enclosure with powder coating
- Mounting: Wall mounting type
- Standards: Conforming to relevant IS / EN fire alarm standards

2. Manual Call Point (MCP)

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Manual Call Points shall be provided to allow manual activation of the fire alarm system during emergency.

Specifications

- Type: Break Glass / Resettable type
- Body Material: ABS / FR Engineering Plastic
- Operating Voltage: 24 V DC
- Contact Type: Potential free contact
- Reset: Key resettable type
- LED Indication: Red LED for activation indication
- Protection: Transparent protective cover
- Mounting: Wall mounting type
- Colour: Fire Red
- Standards: Conforming to IS 2189 / EN 54

3. ABS Hooter (Electronic Sounder)

The hooter shall provide audible warning during fire alarm condition.

Specifications

- Type: Electronic Hooter / Sounder
- Body Material: High impact ABS plastic
- Operating Voltage: 24 V DC
- Sound Output: Minimum 90 – 110 dB at 1 meter
- Current Consumption: Approx. 20–30 mA
- Mounting: Wall / surface mounted
- Colour: Red
- Protection: Dust resistant enclosure
- Application: Indoor fire alarm signalling

4. Smoke Detector

Smoke detectors shall be photoelectric type suitable for detecting visible smoke from fire.

Specifications

- Type: Photoelectric / Optical Smoke Detector
- Operating Voltage: 24 V DC
- Detection Method: Light scattering principle
- Sensitivity Range: As per fire alarm standards
- LED Indicator: Dual LED for alarm indication
- Operating Temperature: 0°C to 55°C
- Humidity: Up to 95% RH non-condensing
- Mounting: Ceiling mounted with detector base
- Reset: Through Fire Alarm Control Panel
- Housing Material: Fire resistant ABS
- Standards: UL / LPCB / EN54 / IS compliant

5. Flexible FRLS Cable – 2 Core 1.5 sq.mm

Flexible FRLS cables shall be used for interconnection of fire alarm devices.

Specifications

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- Make: RR Kabel / Polycab or approved equivalent
- Type: FRLS (Flame Retardant Low Smoke)
- Conductor: Annealed copper conductor
- No. of Cores: 2 Core
- Conductor Size: 1.5 sq.mm
- Insulation: FRLS PVC insulation
- Sheathing: FRLS outer sheath
- Voltage Grade: 1100 V
- Temperature Rating: Up to 70°C
- Colour Code: As per IS standards
- Standards: IS 694 / IS 1554

Scope Includes

- Supply of all materials
- Installation and wiring
- Testing and commissioning
- Integration with fire alarm panel
- Complete system functionality check
- As-built documentation and testing reports

Item No-23

Scope of Work – Fire NOC and Consultancy Charges

The scope of work for Fire NOC and Consultancy Services shall include preparation, submission, liaison, and obtaining approval from the concerned authority as per applicable regulations of the Gujarat Fire Prevention and Life Safety Measures Act and local fire department.

1. Site Assessment and Data Collection

- Visit the project site to understand the building layout, occupancy type, and fire protection requirements.
- Collect architectural drawings, building details, and utility layouts required for Fire NOC submission.
- Review existing fire safety systems and identify gaps as per fire safety norms.

2. Preparation of Fire NOC Documents

- Preparation of required drawings and documents including:
 - Fire Fighting Layout Drawings
 - Fire Alarm System Layout
 - Fire Hydrant System Layout
 - Fire Pump House Layout
 - Emergency Exit and Evacuation Plans
- Preparation of technical reports and compliance statements as per fire safety regulations.
- Compilation of all documents required for submission to the fire authority.

3. Application Submission

- Preparation and submission of Fire NOC application to the concerned authority such as the Gujarat Fire and Emergency Services or the local municipal fire department.

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- Submission of required forms, drawings, calculations, and supporting documents.
 - Payment of applicable government fees and obtaining official receipt for the same.
4. Liaison and Follow-Up
- Coordination and liaison with fire department officials for review and approval of the application.
 - Responding to queries, clarifications, and additional document requirements raised by the authority.
 - Arranging and coordinating site inspections by the fire department if required.
5. Compliance and Rectification Support
- Providing guidance for compliance of fire safety requirements as per fire authority observations.
 - Assistance in preparation of revised drawings or documents if modifications are required.
 - Coordination with contractor/consultant for necessary compliance.
6. Obtaining Opinion Letter / Fire NOC
- Follow-up with the concerned authority until issuance of the Opinion Letter / Fire No Objection Certificate (NOC).
 - Collection of approved documents and Fire NOC certificate from the fire department.
 - Submission of the original certificate and fee receipt to the client.
7. Deliverables
- Fire NOC application documents and drawings.
 - Government fee payment receipt.
 - Approved Fire NOC / Opinion Letter issued by the fire department.
 - Compliance report and final documentation set.

8. Completion

The work shall be considered complete upon successful obtaining and handover of the Fire NOC / Opinion Letter from the concerned authority along with all supporting documents and receipts.

The contractor's scope shall mandatorily include:

- Preparation of all design drawings, calculations, and documentation as per applicable norms.
- Submission of drawings to concerned authorities and obtaining necessary approvals.
- Complete liaison work with CFO/RFO and other statutory authorities.
- Payment of all applicable government fees, including Gujarat Fire NOC fees.
- Obtaining Fire NOC / Approval / Opinion Letter from the competent authority.
- Any revisions, re-submissions, or compliance required during the approval process.

No separate payment shall be made for any of the above activities. All such charges, including consultancy, statutory fees, liaisons, documentation, and professional services, shall be deemed to be **included in the contractor's quoted rates.**

The work shall be considered complete only after obtaining final Fire NOC / approval from the concerned authority.

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

LIST OF APPROVED MAKES

FIRE FIGHTING

It may please be noted that the contractor shall use approved makes of materials. The final selection of materials, out of the approved makes of materials or otherwise to be used at site shall rest with the Engineer-in-charge and it shall be binding on the Contractor. The Contractor shall get the samples of all items, not covered in the approved makes, approved from the Engineer-in-charge before commencing the supply.

Sr. No.	Materials	Brand Name
1	G.I. / M.S. Heavy class pipe	Jindal Hissar, Tata, Prakash Surya Conforming to IS: 1239/3589
2	Gate Valve (Gunmetal) up to 50mm	Leader, Zoloto, Kirloskar
3.	Sluice Valves/ Non-return Valves/Motorized Butterfly Valves Automation.	Audco, Zoloto, Kirloskar, Cair Euromatic
4.	Horizontal centrifugal pumps Multi Stage Multi Outlet.	Lubi, Kirloskar, Mather & Platt (Wilo), Grundfoss
5.	Jockey pump	Lubi, Kirloskar Mather& Platt (Wilo), Grundfoss
6.	Motors (T.E.F.C)	Lubi, Crompton, Kirloskar, Siemens
7	Portable Fire Extinguishers (ISI Marked)	Minimax, Newage, Safeguard, Kanex. Cease Fire
8.	First-Aid Hose Reel	Kesara/ Mitraflex/Exflame
9.	Fire Hydrant landing valve (ISI Marked) /Fire Brigade connection	Newage, Safeguard, GETECH
10.	Reinforced rubber lined canvas hoses	Newage, Safeguard, GETECH
11	M.S. Conduit & Accessories	ISI Marked
12.	PVC insulated copper conductor Wire	National, Havells, Finolex, Polycab, Gemscab, KEI, RR cable
13.	Flow Switch	System sensor, forbesmarshall/Danfoss
14.	Stainless Steel branch pipes, nozzles & couplings	Newage, GETECH, Safeguard
15.	Sprinklers	Tyco, HD (U.L. approved
16.	Installation Control Valves (UL approved)	Tyco, HD, Viking
17.	Cables (XLPE)	National, Havells, Finolex, Polycab, Gemscab, KEI, KEL
18.	Pressure Switches	Indfoss, Switzer/Danfoss
19.	Cushy Foot Mounting	Dunlop, resistoflex
20.	Batteries	Exide, Standard, Cummins
21.	Switches, Starters	Siemens, Schneider, Legrand, L&T
22.	Air Release Valve	GM Newage, Safeguard
23.	Cable End Termination	Siemens, Dowells
24.	Terminal block	Ecmech, Wago
25.	Suction Strainer	Zoloto, Heaven, Emerald
26.	Single phase preventor	Minilec, Siemens
27.	Main Panel (Electrical) & Control Panel	Havells, Neptune, Advance, C&S, Adlec, Geetu Electrical System Pvt. Ltd./ECS Ghaziabad/Risha Control EngineersPvt. Ltd./TSR Enterprises, Kolkata, / NEC Noida, /D P Electricals Gr Noida. Tricolite, ASPL, ADLEC/ any CPRI approved Panel Manufacturer. However, prior approval shall be taken
28.	Diesel Engine	Kirloskar, Cummins, Volvo or equ.

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

FIRE DETECTION

SL. NO.	MATERIAL	MAKES
1.	Main fire alarm panel:	TYCO/Edwards/Notifier /Siemens (Fire finder)/Honeywell /Johnson Control IFC Series/ /Morlay
2.	Fire Detectors / Manual call points / Control modules	Edwards /Notifier / Siemens /honey well/ Tyco
1.	Detection Devices	MNI USA/Edwards/Notifier /Siemens (Fire finder)/Honeywell /TYCO
2.	Manual Call Points	Edwards/Notifier/Siemens (Fire finder)/Honeywell /TYCO
3.	Monitor /Control Modules	Edwards/Notifier/Siemens (Fire finder)/Honeywell
4.	Fault Isolators	MNI USA/Edwards/Notifier /Siemens (Fire finder)/Honeywell
5.	Fire Alarm Control Panel	Edwards/Notifier (Fire/Siemens finder)/Honeywell
6.	Repeater Panel	Edwards/Notifier (Fire/Siemensfinder)/Honeywell/TYCO
7.	FRLS Cables:	Havell's/ Finolex/Polycab/Bonton/ Delton/Grandlay
8.	Amplifier/Hooters:	Same make as of Main Fire Alarm System
9	Beam Detectors:	Edwards/Honeywell/TYCO/NOTIFIER
10.	Equipment Rack	President/MTS/SPIDER/APC
11.	Hooter	Same Make as of Fire alarm panel/ detectors
12.	Signal Cable	LAPP/Belden /Polycab / Finolex/KEI
13.	LAN Cable	Systimax (Lucent)/Lapp/Molex/AMP
14.	Communication Cable	Belden/ Polycab/LAPP/KEI
15.	Power Cable	M/s Havells, M/s Fort Gloster M/s ICL/Gem Cab, universal, Polycab, KEC/KEI, Grandlay
16.	Copper Conductor Wires	Havells/Standard/Finolex/GemCab, universal, Polycab/ Grandlay
17.	MS/GI Conduit	ISI Marked

Note:

Above makes of equipment are approved subject to their meeting the specifications. The contractor, however, shall seek approval of specific make from Engineer In-charge before commencing the work. The decision of Engineer in-charge shall be final and binding on the contractor in this respect.

Items that are not covered in the above list and are required for execution shall be procured with the approval of Engineer Incharge. The decision of Engineer Incharge shall be final and binding on the contractor in this respect.

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

SCHEDULE-B

Name of Work: -Supply, Installation, Testing & Commissioning of Complete Fire Hydrant System including Pump House, Hydrant Network, Fire Alarm System, Accessories and Fire NOC @ NA GIDC Panoli.

Sr. No	Description	Qty.	Unit	Unit Rate	Total Amount
1	SITC of Electrical Motor Driven Main Hydrant Pump – Horizontal centrifugal end suction, back pull-out type pump capable of delivering 900 LPM at 70 m head, complete with TEFC squirrel cage induction motor, base frame, coupling, coupling guard, foundation bolts, pressure gauge, necessary piping connections, testing & commissioning, as per technical specification and direction of Engineer-in-Charge, complete.	1	Set	86,390.00	₹ 86,390.00
2	Providing, Supplying, Installation, Testing & Commissioning of Electrical Motor Driven Jockey Pump, horizontal centrifugal end suction type, capacity 180 LPM at 70 mtr head, complete with motor, base frame, valves, fittings and accessories as per tender technical specifications	1	Set	45,060.00	₹ 45,060.00
3	Supply, Installation, Testing & Commissioning (SITC) of diesel engine driven horizontal centrifugal fire pump having capacity 900 LPM at 70 mtr head, pump of cast iron casing with bronze / phosphor bronze internal parts, coupled with 26 BHP diesel engine suitable for continuous duty, complete with flexible coupling, coupling guard, common base frame, foundation bolts, anti-vibration pads, fuel tank, exhaust system, battery with charger, control panel and all accessories, including all fittings and accessories required for proper operation, testing and commissioning as per technical specifications and fire norms, complete.	1	Set	33,130.00	₹ 33,130.00
4	Supply, installation, testing and commissioning of Common Automatic Control Panel for Main Fire Pump and Jockey Pump, complete with ASD starter for main pump and DOL starter for jockey pump, including incoming MCCB, copper busbar, contactors, overload relays, push buttons, selector switches, indicating lamps, internal wiring and all accessories, suitable for 415V, 3 phase, 50 Hz AC supply, complete as per tender technical specifications and direction of Engineer-in-Charge.	1	Lot	50,400.00	₹ 50,400.00
5	Supplying, installing, testing and commissioning of GI Class 'Heavy'(C Class) pipes confirming to IS 1239 Pt -I Medium Grade upto 150 NB & above IS: 3589 without painting, with anchor fasteners, bolts nuts, clamps, "U" bolts, MS fittings such as Reducers, Tees, Elbows etc. as per drawings.				
	Size				
	100NB	145	Mtrs	1,350.00	₹ 1,95,750.00
	80 NB	42	Mtrs	1,050.00	₹ 44,100.00
	50 NB	90	Mtrs	840.00	₹ 75,600.00
	42 NB	84	Mtrs	730.00	₹ 61,320.00
	25 NB	224	Mtrs	480.00	₹ 1,07,520.00
6	Supply, Installation, Testing and Commissioning of UL approved standard response brass quartz bulb fire sprinklers of 15/20 mm dia with suitable temperature rating, capable of sustaining system pressure and water hammer effect, complete with all fittings and accessories.				
	Size				
	Recessed (adjustable) rosette (68 deg.C) sprinkler- pendant type	105	Nos	340.00	₹ 35,700.00

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

7	Supply, Erection, Testing and Commissioning of PN-16 rated ISI marked Butterfly Valve with required flanges, gaskets, nut-bolts and accessories, complete as per technical specifications and approved drawings.				
	Size				
	Butterfly valves 100 MM	4	Nos	3,850.00	₹ 15,400.00
	Butterfly valves 80 MM	6	Nos	3,050.00	₹ 18,300.00
8	Supply, Installation, Testing and Commissioning of ISI marked C.I. Dual Plate Type Non-Return Valve, rubber seated, complete with necessary flanges, gaskets, nuts, bolts and accessories, as per technical specifications and drawings, complete.				
	Size				
	100MM	3	Nos	3,950.00	₹ 11,850.00
	80MM	1	Nos	3,250.00	₹ 3,250.00
9	Supply, Installation, testing C commissioning of 100 mm dial size 0 to 10 Kg/cm ² range, pressure gauges with all accessories like niddle valve etc.	3	Nos	1,670.00	₹ 5,010.00
10	Supply, Installation, testing, Commissioning of Pressure Switches for pressure range of 0 to 10 Kg/cm ² with all accessories like niddle valve etc.	2	Nos	1,900.00	₹ 3,800.00
11	Supply, Installation, Testing and Commissioning of SS Fire Hydrant Single Landing Valve with 80 mm NB flanged inlet and 63 mm dia female instantaneous outlet, spindle operated complete with coupling, blank cap, chain, twist release type lug, orifice plate and all accessories, complete as per technical specification and drawing.	8	Nos.	5,500.00	₹ 44,000.00
12	Supply, Erection, testing and commissioning First Aid Hose Reel 25mm X 30mtr Long with MS Construction Spray Painted in Post Office Red, conforming to IS 884 With Up-to-Date Amendments, Complete with The Following as Required.	8	Nos.	7,250.00	₹ 58,000.00
13	Supply, Erection, testing and commissioning of Weather Proof Standard Fire Hose Cabinet Wall Mounting Type (450mm X 450mm X 150mm Deep) Having Single Door Opening with Necessary Locking Arrangement by Allan Key Suitable for Housing 1 Nos.Hose Pipe, 1 No. Branch Pipe and Nozzle Spanner.	8	Nos.	2,550.00	₹ 20,400.00
14	Supply, Installation, Testing & Commissioning of 63 mm dia Type-A Fire Hose Pipe, 15 m length, suitable for fire hydrant system, rated for required burst pressure, complete with male & female instantaneous couplings, wire binding, and all necessary accessories, as per technical specifications and drawings, complete.	8	Nos.	4,850.00	₹ 38,800.00
15	Supply, Installation, testing, Commissioning of 63 mm dia instantaneous pattern Branch Short pipe, 16 mm dia. nozzle suitable for inter connection to hose pipe coupling complete as required.	8	Nos.	1,850.00	₹ 14,800.00
16	Supply, Installation, testing, Commissioning of 2 Way Fire Brigade Inlet having 63 mm dia inlet with blank cap and chain. - as per given technical specification in tender.	1	Nos.	5,950.00	₹ 5,950.00
17	BALL VALVE 1" as per given technical specification in tender.	9	Nos.	1,050.00	₹ 9,450.00
18	AIR RELESE VALVE 1" as per given technical specification in tender.	2	Nos.	1,050.00	₹ 2,100.00
19	Structural Steel of suitable sizes for supporting of Over ground pipes in Pump House for pipes, cabinets etc.	100	KG	125.00	₹ 12,500.00

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

20	Supply installation of G.I Fittings and accessories for Fire pump house system with Tee fabrication, flanges, gaskets, bullet fastener, Tie rod, elbows, tees nut bolts, bends, reducers, and etc.	1	Lot	45,500.00	₹ 45,500.00
21	Supply of fire extinguishers -				
	ABC Stored pressures Cap. 6 Kg, test pressure 35 Bar MAP 50 %-as per given technical specification in tender.	9	Nos.	1,550.00	₹ 13,950.00
	CO2 type fire extinguishers 4.5 Kg-as per given technical specification in tender.	5	Nos.	4,500.00	₹ 22,500.00
	Moduler type fire extinguishers 5 Kg-as per given technical specification in tender.	3	Nos.	3,500.00	₹ 10,500.00
22	Supply, Erection, and commissioning Fire Alarm System-as per given technical specification in tender. (AGNI/ASES)				
	Fire Alaram Panal 4 ZONE	1	Nos.	10,500.00	₹ 10,500.00
	M.C.P (Manual Call Point)	5	Nos.	450.00	₹ 2,250.00
	ABS Hooter	5	Nos.	450.00	₹ 2,250.00
	Smoke detector.	69	Nos.	1,350.00	₹ 93,150.00
	Flexible FRLS Cable 2 Core 1.5 sq Mm	597	Mtrs	74.00	₹ 44,178.00
23	Designing / planning of all installation systems, approval drawings of CFO / RFO (inc. Fire, hydrant, sprinklersystem, smoke & alarm system or required drawing etc) and Fire NOC and Consultancy Charges including preparation of documents, submission, liaison, Gujarat Fire NOC government fees receipt, and professional charges for obtaining opinion letter / Fire NOC approval from the concerned authority, complete.	1	Job.	1,91,620.00	₹ 1,91,620.00
Total Rs.					₹ 14,34,978.00

Sr. No.	Above	Below
1	I / We hereby agree carry out the work at the rate given in Schedule B @ _____ % above.	I / We hereby agree carry out the work at the rate given in Schedule B @ _____ % below.
2	Net Amount Rs. _____	Net Amount Rs. _____

NOTE:

***The rates quoted shall be inclusive of all applicable taxes incl. LWC except GST and requirements as per government norms. (ESIC, PF, Bonus, Service Charge, etc. as applicable as per prevailing government norms.) GST will be paid extra.**

I / we agree to carry out the above work at our quoted rate of Rs. (Rupees)

Signature of Contractor

Chief Officer,
Notified Area, Panoli.

Important Note:

1. The rates quoted shall be inclusive of all applicable taxes incl. LWC except GST and requirements as per government norms. (ESIC, PF, Bonus, Service Charge, etc. as applicable as per prevailing government norms.). GST will be paid extra.
2. In the above Schedule B in some of the items the qty is not mentioned but if it is required, the same shall be carried out at the above rate and as per technical specifications.
3. Please note that the agency, in whose favor the tender is finalized by the competent authority, should have to submit the document like Invoice, Delivery Chalan etc., of the manufacturer at the time of supply of the material.
4. I / We have read the conditions mentioned in this tender & agree to abide by the same.
5. The Agency in whose favor, the tender is finalized shall have to enter into agreement with N.A.A. in B-1 form, if the agency desired to study, the same is available in the office Notified Area Officer, GIDC, Panoli on any working days during working hours.
6. The quantity mentioned in the Schedule-B may vary either increase or decrease, for which agency shall have no right to claim for the amount due to saving in quantity during the execution.
7. 1% LWC will be deducted from every bill and deposited to the LWC and this amount is included in the rates so agency has to offer their rates accordingly.
8. Agency has to furnish/submit the challan of GST/ ESI / Professional Tax / PF to Govt. as per Norms for each month. If the challan is not submitted by agency, GST/ ESI / Professional Tax / PF shall be deducted from RA Bill payable amount of agency. For same not any extra payment shall be pay by department.

Part rate payment schedule mention as below table.

Payment Schedule

SR.NO.	PARTICULAR	%age of Payment of the Total Amount.
01	On receipt of material equipment/machinery (at site) duly inspected certificated by the DEE(M&E) GIDC Ankleswar	70.00 %
02	On satisfactory completion of installation work and after issue of certificate by the DEE (M&E) GIDC Ankleswar.	10.00 %
03	On testing and satisfactory performance of all items. (at site) duly certified by the DEE(M&E) GIDC Bharuch.	10.00 %
04	Released after satisfactory O & M work of 1st year from the successful commissioning certified by DEE (M&E) GIDC Ankleswar. From actual date of Completion of work.	10.00 %
	Total %age	100.00 %

Signature of Contractor

Chief Officer,
Notified Area, Panoli.