



**DIRECTORATE GENERAL
FIRE SERVICES, HOME GUARDS & CIVIL DEFENCE,
ODISHA**

**RE-TENDER CALL NOTICE
NO.-7/2018-19.**

1. Sealed tenders are invited from the original equipment manufacturer (OEM) or their authorized agent/ dealer for purchase of chassis/ vehicle and High Capacity Diesel Driven Pump with Trailer during 2018-19. The details of chassis/ vehicle and pump with requirement are as follows.

SI No.	Name of the item	Approximate Quantity
1	Heavy Category Chassis/ Vehicles for Fabrication of Water Tanker.	01 No.
2	High Capacity Diesel Driven Pump with Trailer	40 Nos


2. The tender document with detail technical specification may be seen from the state website www.odisha.gov.in and Odisha Fire Service website www.odishafshqscd.gov.in. The tender document may be obtained by depositing `300/- (Rupees three hundred) only between 11.00 A.M to 5.00 P.M each working days from the office of the undersigned at the address given below or downloading from state website and should be submitted duly signed in each page of the tender document with seal in token of having read understood and accepted the terms and conditions of the contract in the address given below. The tender should be submitted in prescribed format along with a Demand Draft Non-A/C payee of `300/- (Rupees three hundred) only payable at SBI, Main Branch, Cuttack (Code No-0059) in favour of D.D.O, Directorate General of Fire Service, Odisha, Cuttack, towards the cost of tender paper in case of firms submitted tender by downloading the tender document from website. However, the authorities shall not be responsible for postal or any other delay.

RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

Page 2 of 2

3. The bidder has right to quote any one of the item and it is not mandatory to quote all items mentioned in the tender.
4. Bids submitted other than the manner prescribed in the tender document shall be rejected.
5. The Tender Calling Authority has right to accept or reject the tender(s) without assigning any reason thereof. The bidder should drop the sealed tender packet in the "Tender Box" available in the office of the undersigned by the stipulated date and time at his own risk and responsibilities.
6. Sale of tender document w. e. f. dt. 01-11-2018.
7. Last date for sale of tender document dt. 22-11-2018, 5.00 P.M.
8. Last date for receipt of tender document dt. 22-11-2018, 5.00 P.M.
9. Date for opening of tenders/Technical Bids dt. 24-11-2018, 11.00 AM. onward.
10. The bidders are required to depute their representatives to remain present during opening of Tender/ Technical Bid as per dates mentioned above.
11. The tenders received after the stipulated date shall not be taken in to consideration and liable for rejection.
12. The tender calling authority has the right to cancel or alter quantity of any of above item without assigning any reason thereof.
13. Address.

Directorate General of F.S, H.Gs & C.D,
At-3rd Floor of Vigilance Directorate,
Nuapatna, Cuttack,
Pin-753001
FAX-0671-2300201/ 2303387.



**I.G of Police, Fire Service,
Home Guards & Civil Defence,
Odisha, Cuttack.**

Address – 3rd Floor, Vigilance Building, Nuapatna, Buxibazar, Cuttack-753001
Tel. – 0671-2300317, Fax : 0671-2300201,

E-mail : cghomeguardsodisha@gmail.com, fireservicesodisha@gmail.com

Page 2 of 20

**RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.**



**DIRECTORATE GENERAL
FIRE SERVICES, HOME GUARDS & CIVIL DEFENCE,
ODISHA**

Letter No. _____/Prov., Dated. - -2018.

To

M/s

RE-TENDER CALL NOTICE NO.-7/2018-19.

**CHASSIS/ VEHICLE AND HIGH CAPACITY DIESEL DRIVEN
PUMP WITH TRAILER FOR ODISHA FIRE SERVICE
ORGANIZATION DURING THE FINANCIAL YEAR 2018-19.**

**DIRECTORATE GENERAL
FIRE SERVICES, HOME GUARDS & CIVIL DEFENCE,
ODISHA**

Certified that the book contains page- 1 to 18.

1. Sale of tender document w.e.f - dt. 01-11-2018
2. Last date for sale of tender document - dt. 22-11-2018, 5.00 p.m
3. Last date for receipt of tender document - dt. 22-11-2018, 5.00 p.m
4. Date of opening of sealed Tender/
Technical Bids. - dt. 24-11-2018, 11.00 a.m

RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

RE-TENDER CALL NOTICE NO.-7/2018-19.

TENDER DOCUMENT NO-(I)

GENERAL CONDITIONS OF THE CONTRACT.

1. The bidder/supplier should either be an Original Equipment Manufacturer (OEM) or their agent /dealers authorized to sell, supply and service their products. The latest authenticated documentary proof of this shall be submitted. The proof submitted earlier in some other context shall not be treated as valid and sufficient.
2. All the information as called for in the tender document should be submitted truly, clearly, legibly, transparently, unambiguously and without the use of abbreviations. It shall be submitted in English.
3. All the crucial figures, like, rates and amount should written in figures followed by words in a bracket.
4. There shall be no over writing in the tender document and other papers submitted.
All the addition, alterations, deletions and cuttings should be initialed with rubber stamp (or seal) by the same person, who signs the tender document. Failing so, the tender may be rejected.
5. The tenders (also call bids) not submitted in prescribed format or in the prescribed manner, shall be rejected at the risk and responsibility of the bidder.
6. All the rates and amounts shall be quoted in Indian Rupees (IR) and shall be presumed to be in Indian Rupees unless specifically permitted to be quoted otherwise in these tender documents.
7. The rates quoted shall be valid for a period of one year counted from last date of receipt of bids/ tenders.
8. Each page of this tender document should be signed by the bidder with seal in token of having read, understood and accepted the terms and conditions of this contract.
9. For the Companies and Corporation making the bids, the tender document shall be signed by the Managing Director. If it is otherwise, the authority to sign the tender papers on behalf of the Company/Corporation shall be enclosed. In case of partnership Firm, it shall be signed by the active partner. In case of a Proprietary Firm, the tender document shall be signed by the proprietor.
10. "Legal Status" of a bidder shall mean either proprietorship or partnership of private/Public limited Company or otherwise (to be specified) as the case may be.
11. All the documents and papers submitted with the bid should either be in English or in Oriya and shall be authenticated under the seal and signature of the bidder unless specified otherwise in this tender document. If the documents are in any other language, a true translation in English, duly certified by an independent person of repute, shall be submitted.

RE-TENDER CALL NOTICE NO.-7/2018-19.

DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

12. All the promotional and technical literature of the products intended to be supplied should be submitted for proper appreciation of the bid, whether or not specifically call for in this tender document. This literature should also be in English.
13. Submission of more than one competitive bid by the same firm in response to the tender call notice is prohibited. All such bids, except one, will be cancelled at the discretion of the authority calling the bids. A bidder may, however, offer in his bid more than one product of the same Original Equipment Manufacturer (OEM) if in his opinion, all such products meet the prescribed technical specifications. In that case, he should submit "Technical Bid" of all such products separately but in the same prescribed format, in the same sealed single cover. Separate "Financial Bids" should also be submitted similarly in the same sealed single cover (see below for the meaning of sealed cover).

NOTE

- i) A bidder can not bid the same item for more than one OEM firm.
14. The bidder may use separate piece of paper, where the space provided in the formats in this tender document for submission of information, is not sufficient. The information in the separate sheet of paper shall be prescribed format and each page should be serial numbered and duly authenticated.
15. All the information submitted or supplied in the formats in this tender document shall be presumed to be true to the best of knowledge of the bidder.
16. No firm/Company without valid Value **GST Registration number** and PAN shall be eligible for submitting bids. Firms blacklisted shall also not be eligible for participating in the bid.
17. Copy of Valid Registration Certificate issued by competent Authorities under the **GST Act** and copy of PAN shall be enclosed to the Tender document. In no case other certificates issued by authorities in lieu of such certificates shall be accepted.
18. Copies of income Tax return and CST returns of previous year along with copies of Audited Balance Sheets, P/L a/c and Trading a/c of previous year where ever applicable need also be enclosed to the Tender document by the Original Equipment Manufacturer / Authorised Agent of OEM.
19. At the time of opening of Tender/Financial bid the bidder will have to satisfy the competent authority that he is not only authorised as per his Registration Certificates to deal in the tendered item but he has also a running business in such items and he has the ability to supply the tendered quantity in prescribed time limit and to meet the warrantee conditions of the product.
20. The Bid Security/ Earnest Money Deposit (EMD) shall either be in the form of Demand Draft/Banker's Cheque of a scheduled Bank payable at Cuttack or by pledging of NSC/FDR/Postal Saving Pass Book all in favour of D.D.O, Directorate General of Fire Service & Home Guards & Civil Defence, Odisha, Cuttack. EMD shall be returned immediately after the rejection of a Bid. The DD/Banker's

RE-TENDER CALL NOTICE NO.-7/2018-19.

DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

Cheque/NSC/FDR/Postal Saving Pass Book etc. shall be returned in original with or without reverse endorsement as required for the refund. EMD of the successful bidders shall be retained till the supplied materials/articles are successfully delivered as ordered or adjusted against performance security. After that it shall be returned in the same manner as in the case of unsuccessful bidders.

21. This tender document has prescribed a two bid format for submitting the offers. It contains the "TECHNICAL" and 'FINANCIAL' bid formats. Both the bids shall be submitted in separate sealed cover identified as 'TEHCNICAL' or 'FINANCIAL' bid after detaching their formats from this tender document. Both the sealed covers, the remaining part of this tender document and all the other papers/documents should be put inside a bigger sealed cover and shall be delivered as per conditions published in the tender call notice. All the sealed covers shall have boldly written with the name of the supplier/bidder, the tender call notice number and the last date for submission.
22. The tenders or the bids can be sent by Regd. Post or courier as well. However, the authorities shall not be responsible for the postal and other delays in receipt of bids. The Tenders/ Bids can also be dropped in the sealed "Tender Box" kept in the office of the Tender Calling Authority.
23. If the last date for submission of the tender/bid turns out to be a holiday, it will automatically be extended to next working day.
24. The tender calling authority shall make arrangements in his office for issuing a written acknowledgement, under proper seal and signature of the filled in tenders, provided those are submitted on or before the due date. The acknowledgement shall be issued even if the tenders are required to be dropped in a sealed box. The acknowledgement receipt shall mention, among others, the tender call notice number.
25. A bid submitted can not be withdrawn. The bidder or his authorized representative (one person only) will be allowed to be present at the time of opening of tenders. They will not participate in the discussions. Clarifications sought, if any, may be provided by them.
26. All or any of the tenders (or bid) submitted can be rejected without assigning any reason thereof. No claim, whatsoever, shall be admissible for; the alleged loss/damage suffered by the bidders on account of such rejections.
27. The sealed Tenders and Technical Bids shall be opened by the Technical Committee in 1st stage. The documents like EMDs, GST Regd. No. etc shall be verified to ensure that the bidders have been found to have fulfilled all the prescribed criteria and conditions of this tender document other than technical specifications of the products.
28. All the products, failing to fulfill the prescribed technical specifications, will be rejected. Decision of the Technical Committee in this respect shall be final and binding. A bidder can improve the technical specifications of the product offered

RE-TENDER CALL NOTICE NO.-7/2018-19.

DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

before the opening of 'Financial Bid'. Decision of the Technical Committee on, whether or not, the revised specification is an improvement, shall be final. Improvement in the technical specifications offered as above, may be accepted or rejected at the discretion of the Tender Calling Authority.


29. Notwithstanding an offered product meeting the prescribed technical specifications, it may be rejected, if it has not been tried and tested or used in Orissa Fire Service with satisfaction. It may also be rejected if the bidder fails to successful demonstration before the Technical Committee.
30. 'Financial Bids' shall be opened only in those cases, where one or more of the offered products have fulfilled the prescribed technical specifications. No preference or extra payment shall be admissible for the superior technical specifications or quality of the like if any. All the financial documents like Registration Certificate issued under GST Act and IT Acts, IT, S.T returns, Audit Balance Sheet, Trading Account and P/L Account shall be verified at the time of opening of Financial Bids.
31. All the prices quoted shall be FOR Cuttack, Odisha. This means that the prices shall include the cost of delivery at Cuttack.
32. The authorities are not bound to accept the lowest Financial Bid.
33. The order for supply may be placed on the successful bidders but the technical specifications (or quality requirements) for the purpose of supply shall be those, which were offered and accepted by the Technical Committee and not those specified in the tender document.
34. On delivery, the supplies or products shall be inspected to verify the quantity and to see whether those are in accordance with the technical specifications (or quality requirements) for which the order was placed. If it turns out to be otherwise the acceptance of delivery shall be refused at the risk and responsibility of the supplier. Further, the articles found damaged shall not be counted as accepted until repaired or replaced to the satisfaction of the authority.
35. Short deliveries may not be accepted. All the items ordered must be supplied in full for claiming even the part payment.
36. All the transit risks shall be the responsibility of the supplier.
37. User manuals of the product shall be supplied without being asked for or even if it is not mentioned in the supply order. Moreover, it should be in English.
38. Failure to supply the order in full within the stipulated period or supply of substandard goods may lead to forfeiture of EMD and blacklisting of the suppliers. If at all the delivery is allowed to be accepted after the due date, Liquidated Damages (LD) @ 0.5% of the total amount of order (excluding taxes) per week or part thereof shall be charged from the bidder, however, that the L.D. shall not exceed 5% of the amount of order.

RE-TENDER CALL NOTICE NO.-7/2018-19.

DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

39. The supplier shall submit an undertaking given by him or the OEM committing to supply spare parts for the maintenance of the supplied items for a period at least 36 months from the date of supply.
40. The supplier shall give a "Performance Warranty" for a minimum period mentioned in the special condition or one year of the contract. 5% of the amount of the order (excluding taxes) as mentioned in the special conditions of the contract shall be deposited in shape of FDR/ Irrevocable Bank Guarantee duly pledged in favour of Tender Calling Authority and shall be returned after the performance warranty period is over. The said amount may be forfeited partially or fully for failure to fulfill the terms and condition of supply and post sales commitment/obligations. The Bank Guarantee should be enforceable and payable at Cuttack. The Performance Security should remain valid for a period of 60 days beyond the date of completion of the obligation of the supplier including warranty obligations.
41. The bidder must submit in a separate paper mentioning "complied or not complied" against each column of the Tender Specification given in the Tender document.
42. Terms and conditions of this tender document can not be negotiated for variation without obtaining the prior approval of the Govt.
43. All the clarifications sought from the bidders/suppliers on technical specifications of the products or otherwise shall be promptly submitted in a transparent and unambiguous manner.
44. Entire tender document duly filled in shall be treated as part or the contract agreement for supplies in case of the successful bidders.
45. All the disputes shall be subject to jurisdiction of Civil Courts situated at Cuttack.
46. The bidder shall submit all required documents along with tender. Under no circumstances a bidder would be allowed to make any addition/ alteration if any, related to tender or to submit required documents after receipt of the tender by the tender calling authority.

Seal & Signature of the Bidder


**I.G of Police, Fire Service
Home Guards & Civil Defence,
Odisha, Cuttack.**

**RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.**

TECHNICAL BID

SL.NO.	NAME OF THE ITEMS.	WHETHER OFFERED PRODUCTS FULFILLS THE DETAILED TECHNICAL SPECIFICATIONS KINDLY ANSWER YES OR NO ONLY.	OFFERED SPECIFICATIONS AND DETAILS OF VARIATIONS IF ANY.
1	2	3	4

Signature & Seal of the Bidder.

**RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.**

FINANCIAL BID

RE-TENDER CALL NOTICE NO.-7/2018-19.

NAME OF THE ITEMS..... PER UNIT IN INDIAN RUPEES

1. Price including all the duties & levies :
2. Basic Unit Price :
3. IGST @ - % - :
4. CGST @ - % - :
5. OGST @ - % - :
6. Other Charges (To be specified)
7. Total Unit price of the Item :
8. Total amount payable for supply of
entire quantity of the item mentioned
in the tender document. :
9. Name of the Original Manufacturers and
The brand name or trademark of the item :

Signature & Seal of the Bidder.


RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

GENERAL BID FORM

(RE-TENDER CALL NOTICE NO.-7/2018-19)

1. Name, Full Address, Fax No.
Telephone No. & E-Mail of the firm. :
2. Legal status of the firm :
3. Items for which you have submitted
the Bid :
4. For which of the items above you are the
ORIGINAL EQUIPMENT MANUFACTURER
(OEM) :
5. Give the location and Address of your
Factory. :
6. For the items listed at (3) above and
where you have submitted the bid but
you are not the O.E.M. indicate against
each the names of the O.E.M :
7. Kindly confirm by writing 'yes' or 'no' only
that you have been authorized by the
respective O.E.Ms either as dealer or as
sale, supply and servicing agent in respect
of the items you are not the (OEM) :
8. Which of the items, you have submitted
the bids for, will be fully or substantially
imported. Indicate the country to be
imported from. :
9. Have you enclosed the EMD? If yes,
mention the amount and its identifying
details.
10. Have you enclosed all the documents
and papers called for in this tender
document? Kindly enclose a list (use
a separate sheet of paper) :
11. If the answer to (10) above is 'No' which
is the documents/document have not been
enclosed. (Kindly enclose a list of such
documents/papers). Use a separate sheet
of paper if necessary. :
12. Do you have a post sales servicing,
center in Odisha? If yes, give its name,
full address, Fax and Telephone numbers.

Seal & Signature of the Bidder


**I.G of Police, Fire Service,
Home Guards & Civil Defence,
Odisha, Cuttack.**

RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

SPECIAL CONDITION OF THE CONTRACT.

RE-TENDER CALL NOTICE NO.-7/2018-19.

TENDER DOCUMENT NO. (II)

1. The Special Conditions given here shall prevail over the General Conditions.
2. **Bid Security:** - The tender document shall accompany with Earnest Money Deposit (EMD) at the rate quoted at Col-5, Para-3 without which tender shall be rejected. The EMD deposited instrument should be available outside the sealed covers of "Technical" and "Financial" Bid. (EMDs available in the Technical Bid also be accepted). However the MSEs registered in Odisha with respective DICs, Khadi Village, Cottage and Handi craft Industries, OSIC and NSIC shall pay 25% of the prescribed security deposit while participating in tender.
3. **Quantity:** - Sealed Bids in this tender document have been invited for the supply of the items listed below. The approximate quantity required has been mentioned against each. The detailed technical specifications of each item are available in the **Annexure-'A'** to "Special Conditions of the contract" identified against each.

Sl No.	Name of the item	Approximate Quantity	Technical Specification	E.M.D Value
1	2	3	4	5
1	Heavy Category Chassis/ Vehicles for Fabrication of Water Tanker.	01 No.	Technical Specification as Annexure-A	40,000/-
2	High Capacity Diesel Driven Pump with Trailer	40 Nos	-- do --	5,20,000/-

4. The quantities mentioned above are subject to variations. The rates quoted per Unit shall continue to be valid even if the quantities of items mentioned above are varied. Further, the bidder should certify that the rates quoted by it or any item listed above shall remain valid subject to variation in any Govt. Tax Structure on the same (i.e. base price of the item quoted shall remain valid irrespective of variation in the Tax Structure) for a period of one year from the date of finalization of the rate by the Purchase Committee.
5. It shall not be necessary to bid for all the items above.
6. The bidder shall submit along with this tender document a list of names, complete address, Telephone/FAX number of the customers to whom, the

RE-TENDER CALL NOTICE NO.-7/2018-19.

DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

item, for which the bid has been submitted, have been supplied and installed in last three year, if any. A clear, unambiguous statement shall be made if an item has not been sold anywhere in India so far.


7. The supplies shall be delivered at Cuttack.
8. Working of the equipment shall also be demonstrated and the expenditure incurred thereof shall be borne by the supplier.
9. The supplier shall train at their cost our employees.
10. **Performance Security:** - The successful bidder shall have to enter into an agreement with the Tender Calling Authority for successful completion of supply/ installation of the tendered items after proper inspection within the stipulated period and also for performance warrantee of the items from the date of supply/ installation up to a period of one year. In this regard the selected firm shall have to deposit 5% of the cost of stores excluding taxes as security deposit called as Performance Security in shape of FDR/irrevocable Bank Guarantee duly pledged to the Tender Calling Authority which will be returned back after performance warrantee period is over. The Performance Security should remain valid for a period of 60 days beyond the date of completion of the obligation of the supplier including warranty obligations.
11. All the supplies made shall be subject to a minimum period of one year warrantee for all items.
12. The supplier shall repair or replace at his own cost any component of the supplies that may go out of order during the warrantee period. The repair and replacement shall as far as possible be carried within the premises, where the equipment has been kept. If, however, it is necessary to take the equipments to the workshop of the supplier, it must be repaired and reinstalled successfully in its premises within a period of 15 days. Failing so, replacement equipment in working condition shall be supplied till the return of the equipment.
13. Other things being equal, preference shall be given to a bidder, who has opened his sale and service center in Odisha.
14. If an equipment or supply goes out of order within the warranty period and the supplier is informed above it, It must be attended to within 48 hours counted from the time the service call is placed.
15. **Payment:** - No advance shall be paid. 100% of the payment will be made on delivery of supplies after successful installation and demonstration.
16. The firms located outside the State of Odisha should include their transportation charges with the basic price.

RE-TENDER CALL NOTICE NO.-7/2018-19.

DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

17. Entry Taxes, if any should be clearly indicated in the tender. The amount if paid by the party should be supported with documentary evidence, failing which the said amount shall be deposited by way of Treasury challan.
18. The bidder must attend the Technical Committee with samples for evaluation/ demonstration purpose. Without sample the offer will be not taken into consideration.
19. Before under taking the final contract the successful tenders will have to enter into an agreement with the department at their own cost in Govt. stamp paper.
20. **Sample:** - The tender shall accompany samples of the items quoted. No rate shall be quoted without furnishing the sample. In case the rates are quoted without samples, the tender is liable for rejection. The parcel containing samples should be freight paid. A label with seal and the details of manufacturing unit/ company with trademark of the articles so tendered, if any should be affixed to the sample. The label should contain a reference to the serial number of the articles quoted/ indicated in the tender. In respect of all ISI products mentioned in the tender the relevant ISI mark shall be printed on the sample. For each item not more than 2 (two) variety of samples shall be submitted by a vender.
21. As regards ISI marked, the attested copies relating to valid Registration of IS number of the item, if obtained from Indian Standard Bureau, New Delhi are to be enclosed.

Seal & Signature of the Bidder


**I.G of Police, Fire Service,
Home Guards & Civil Defence,
Odisha, Cuttack.**

RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.
Annexure-A.

**TECHNICAL SPECIFICATION OF CHASSIS/ VEHICLE AND HIGH CAPACITY
DIESEL DRIVEN PUMP WITH TRAILER FOR ODISHA FIRE SERVICE
ORGANIZATION VIDE RE-TENDER CALL NOTICE NO.-7/2018-19.**

<<<>>>

**1. HEAVY CATEGORY CHASSIS/ VEHICLES FOR FABRICATION OF WATER
TANKER.**

- | | | | |
|--------|------------------|---|--|
| i). | Engine | - | • BS-IV
• 6 Cylinder of BHP Minimum 170 or above
• Diesel vibrant
• Turbo charged inter cool
• Fuel Tank Capacity minimum 300 Ltrs |
| ii). | Chassis | - | Heavy duty chassis with built up cabin with minimum wheel base 4800 mm and length of chassis minimum 9200 mm. |
| iii). | GVW | - | Minimum 25000 Kg. |
| iv). | Ground Clearance | - | Minimum 220 mm |
| v). | Tyre | - | Tyre 10.00 × R20-16 PR |
| vi). | Steering | - | Power steering |
| vii). | Brake | - | ABS fitted |
| viii). | Warranty | - | 3 Years |

2. HIGH CAPACITY DIESEL DRIVEN PUMP WITH TRAILER.

GENERAL REQUIREMENT:

The Pump unit shall consist of a single stage Centrifugal Pump coupled with a compressed ignition internal combustion diesel engine mounted on a tubular steel cradle with a trailer that can be detached.

1. ENGINE:

The Engine shall be 4 Cylinder four strokes (diesel operated). It shall be electric start with 12 volt. Battery of 92 AH capacity fitted with Generator/Alternator for charging 12 volt. Battery. The Engine shall be water cooled. Indirect cooling system shall be of closed circuit type fitted with adequate capacity heat exchangers to prevent over heating and to maintain engine temperature for normal working. The heat exchangers shall incorporate copper pipes and shall be provided with a drain plug to ensure drainage of cooling water.

RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

The Engine fuel tank shall have the capacity to allow running of Pump two hours continuously at the rated output. It shall be provided with an opening of size 50mm in dia meter (minimum) located at a suitable position for easy refilling and checking the contents.

The Engine exhaust shall be so arranged as to discharge on the opposite side of the Pump suction/operating side.

The exhaust should be directed so as to prevent damage to accessories of the Pump or causing inconvenience to operator or to the trailer tyres.

The diesel filter stand should be made of 8 gauge mild steel plate. The Tubular Frame to carry the engine shall be capable of carrying the engine load.

Suitable type rubber mounting should be provided to mount the Pump and Engine with base plate to sustain the vibration.

The battery stand of the pump must be box type with 8 gauge plate and it should be hold the battery properly.

2. PUMP:

The output of the Pump shall be rated above 1600 LPM at 7 Bar pressure. The Pump shall be single stage Centrifugal type directly mounted to engine and driven preferably through a flexible coupling/Driving clutch. The Pump shall be designed to have easy access to the Impeller with the outer face carrying suction, delivery and priming device etc. The shaft shall be supported by an antifriction bearing and Pump fitted with a self adjusting mechanical seal. A drain plug shall be provided at the bottom of the Pump casing/volute.

The male round thread suction eye shall be provided with a standard 100mm suction connection with internal strainer and Blank Cap. The strainer shall be readily removable, but shall be retained firmly in position when in use. There shall be two delivery valves with 63 mm female instantaneous hose connection, and Blank caps. Blank cap shall incorporate means for relieving pressure between the valve and the Cap.

The Assembly of the Pump and engine shall be as compact as possible and preferably a clutch shall be incorporated between the pump and the engine. The engine and pump should be mounted on anti-vibration mountings so as to reduce vibration to minimum.

Impeller shall be dynamically balanced and the Pump shall show no leakage when subjected to a hydraulic pressure of 2.5mm/m (25Kgf/Cm). The Pump shall be tested for its performance duties at suction lift of 3 meters maximum.

RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

The Pump casing shall be made of lightweight corrosion resistant aluminum alloy and impeller hard anodized. The Pump shaft shall be stainless steel and all parts of the Pump exposed to atmosphere shall be suitably protected against corrosion. The frame shall be fitted with 4 to 6 Nos. spring loaded lifting handles of folding inside when not in use. A pair of detachable wheel shall also be provided.

The priming system shall be exhaust Gas Ejector type with manually operated priming lever and shall have stainless steel ejector nozzle. The primer shall be capable of lifting water from a depth of seven meters in 30 seconds when connected by two lengths of suction hose of 4.5 meters each of 100mm die.

There must be adequate support to carry the load of the Pump. The Pump casing should be well supported by 8 mm M.S. plate underneath bolted at both sides.

The pump shall run continuously for a period of 4 hours (with engine cover closed) delivering rated output at 3m lift and at 0.7mm/m (7Kgf/ Cm) pressure. During this test the water in the engine cooling system shall not be replaced and the temperature of engine lubricating oil shall not exceed the specified value.

The Central panel shall consist of following Controls and gauges grouped conveniently and mounted adjacent to Pump Suction/delivery. One 'U' cut in the left side cover of the Pump to be made to prevent jamming of clapper valve.

- a. Throttle Control.
- b. Primer control lever.
- c. Ignition Interrupter Switch.
- d. Pump Suction compound Gauge.
- e. Pump Delivery pressure Gauge.
- f. Engine Oil pressure Gauge.
- g. Engine Water temperature gauge.
- h. Engine Battery condition Indicator/meter.
- i. Adjustable flood light.
- j. Panel Board light.

The Pump shall be designed to work in all weather conditions without affecting engine and pump.

The weight of the Pump shall be as light as practicable for easy carriage and handling.

RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

3. OVERALL DIMENSIONS:

The overall length of the whole unit shall not exceed 3.3m, the height shall not exceed 1.6m (with spot light) and the wheel track shall not exceed 1.4m.

4. EQUIPMENTS:

The following equipment shall be provided with the unit.

1. 100mm dia suction Hose 4.5 meters each fitted
with Gun Metal suction Hose coupling. - 02 Nos
2. Suction Wrenches. - 02 Nos
3. Metal Strainer (G.M.) - 01 No.
4. Basket Strainer for 100mm dia Metal Strainer of
Cane with canvas having tying facility-I S-3582/66 - 01 No.
5. 3 (three) sets of carbon seal in case of carbon seal pump
6. Aluminum ordinary branch (12 mm & 14 mm) - 02 Nos

A tool kit comprising of all essential tools required for maintenance of the Pump consisting of the following of TAPARIA/GEDORE/JHALANI make for items from SI.1 to 9 and the remaining items shall be of reputed Firms/ Brands.

1. D. E. Spanner - 1 Set (12 Nos)
2. Insulated cutting Plier - 1 No.
3. Ring Spanner - 1 Set (12 Nos)
4. Nose Plier - 1 No.
5. Monkey Plier - 1 No.
6. Hammer (5 Lbs and 2 Lbs) - 2 Nos (One each)
7. Screw Driver - 1 No. (8")
8. L.N. Key - 1 Set (6 Nos)
9. Sly Wrench - 1 No. (12" size)
10. Engine ring screw driver - 1 No.
11. Metallic Tool Box to carry all Tools - 1 No.

Instruction Book including both operating and normal maintenance procedures shall be provided for the guidance of the user. The Book shall include an item wise and illustrated spare parts giving reference No. of all parts.

5. MARKING:

The pump Unit shall be clearly and permanently marked (embedded) with the following information.

1. The output capacity of Pump in LPM.

RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

2. Manufactures Name and Trade Name.
3. Weight of the Pump set.
4. Year of Manufacture.
5. Sl. No. of the Pump.
6. Engine No.
7. The name of the organization "Odisha Fire Service" shall be written in both the side of the pump.

6. ENDURANCE TEST:

The pump shall be put to four hours Endurance test continuously and deep lift test from a depth of 7 meters in 30 seconds as specified in I.S specification. The cost of fuel shall be borne by the supplier.

7. TRAILER:

The pump is to be mounted on a Trailer. The specification for the Trailer should be as per the following.

The Trailer chassis frame shall be of suitable mild steel sections incorporated with semi elliptical springs and Axle. Heavy duty tyre of 600 X 16 size 8 ply rating shall be used for the unit. The tyres should be either CEAT, J.K., MRF or BIRLA. The whole Unit shall be compact and Pump shall be so mounted as to bring Centre of gravity as low as possible. Provisions of heavy duty locking device both front and rear should be embedded with the Trailer to hold the Pump rigidly.

Efficient brakes shall be provided on the two wheels operated through compensating gear by over-run. A hand lever situated in an accessible position at the front of the Trailer. Frame shall be provided for operating the brake when the Trailers disconnected from the Towing vehicle. Gabriel heavy duty shock absorber to be provided to absorb jerk.

The handles (Man handling bars) of mild steel each not less than 60 cms long which can be folded and secured along the frame when not in use shall be provided at the front of the Trailer frame. These handles shall be little over the Towing Eye.

Two jacklegs in the rear and one at the front capable of being lowered into position and adequately secured to provide a suitable base for the Unit when pumping or standing unattached shall be provided. The legs shall have 200 mm round mild steel plate, dished upwards welded to the base of the pipe legs shall be capable of being positively locked in the housed position.

RE-TENDER CALL NOTICE NO.-7/2018-19.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

The towing eye and draw bar shall be suitable constructed and the towing eye shall have an internal diameter of minimum 75mm. The towing eye shall be of high quality forged steel. The towing bar should be fitted with heavy duty springs both at the front and rear to absorb jerks. The shank shall be adequately machined with adequate radius at the shoulders.

Mudguards on both Trailer Wheels shall be provided to prevent over throw of mud and water while running. The trailer shall be provided with two shock absorbers on the both side of elliptical springs to prevent over jump. Provision of keeping suction Hoses to adequately secure the same shall also be made in the Trailer with clamps. At least five clamps should be provided to secure the suction Hoses properly. The suitability of trailer shall be tested by taking in rough road to test strength and sustainability.

8. WORKMANSHIP AND FINISH:

- A. All parts of the appliance shall have good workmanship.
- B. The appliance shall be painted in FIRE Red colour.

----- 0 -----