



(Under jurisdiction of Nagpur court only)
WESTERN COALFIELDS LIMITED

(A subsidiary of Coal India Limited & A Government of India Enterprise)

CIN No. U10100MH1975GOI018626

Office of the General Manager(MM)
 Materials Management Department,
 Coal Estate, Civil Lines
 Nagpur 440 001

Ph. PBX : 0712 - 2511381,
 2511227 EXT 5529 or 5824
 Fax : 0712 - 2510284
 Website : westerncoal.gov.in

Formal Supply Order No: 11100114418038

Dtd : 07.07.2018

By REGISTERED POST

To,
 M/s Anand Fabricators & Engineers
 Plot No- 173 & 174,
 New Industrial Estate, Jagatpur,
 Cuttack- 754021(Odisha)

Vendor Code:- 119001
 Vendor Type:- MSE
 Mob:- 09437021138 / 09338100116
 Email:- afe.orissa@gmail.com

Dear Sir,

Sub:- Supply of Fire Tenders.

- Ref:-** 1. Our e-tender no. WCL/hq-pur-asn-ra-e091-2017-18 opened on 07.12.2017 (Tender Id No: 2017_WCL_83833_1) for supply of Fire Tenders
 2. Your offer no. AFE/WCL/17-18 dtd. 20.11.2017 (Bid Id No. 244885) & Subsequent correspondences on portal.
 3. Your confirmation email dtd. 04.07.2018

With reference to the above, we are pleased to place formal order on you for supply of Fire Tenders as per the specification, rates, terms and conditions as stipulated below & general terms & conditions enclosed as per Annexure-B.

Sl. No.	Description	Quantity (No.)	Unit Basic rate (Rs.)	Extended Value (Rs.)
1	The Fire Tender (appliance) shall incorporate Fire Pump of 1800 Liters/minute capacity and a Water Tank of 4500 Litres (Min.) capacity mounted on truck chassis of G.V.W. not less than 15 Tons of TATA 1613/ASHOK LEYLAND 1618. The truck chassis (New) with BS IV Engine or above is included in the scope of supply Material Code:- 1674600004	4	22,61,000.00	90,44,000.00
Add: GST @ 28%				25,32,320.00
Total Landed before Input Tax Credit				1,15,76,320.00
Scope of supply, detailed Technical Specifications and other technical terms and conditions/requirement as per Annexure-A Enclosed				

Total Value (in words):- Rupees One Crore Fifteen Lakhs Seventy Six Thousand Three Hundred Twenty Only

(Signature)

(Signature) 7/7/18

TERMS AND CONDITIONS:

1. **Prices :** Prices shall be Firm & on F.O.R. Destination basis inclusive of Packing & Forwarding, freight & Insurance charges. Safe arrival of consignment at destination stores shall be your responsibility.

2. **GST:-** Shall be payable extra as applicable as per prevailing rules against invoice raised as per GST laws. The present applicable rate of GST is @ 28%. Input tax credit on GST shall be availed by WCL as per GST rule. You shall comply GST rule & upload the tax invoices/debit note/Credit note in GST portal, make payment of GST & file necessary returns under GST in time, to facilitate WCL to avail Input Tax Credit (ITC) as per eligibility criteria under GST. In case of any failure on your account, the penalty including interest (if any) borne by WCL shall be recovered from you.

3. **Payment Terms :-** 80% value of the equipment and accessories and 100% taxes and duties and other charges shall be made after receipt and acceptance of material at site by the consignee within 21 days.

Balance 20% payment shall be made after obtaining all the necessary documents required for registration of Fire Tender with RTO authority.

Details of Bank account for EFT as provided by you in your offer are indicated below:

Bank Details:-

Name of the Bank and Branch with Location	The Federal Bank, Branch- Cuttack
Account Number	13775600002226
Nature of Account (Cash, Credit , Current, Saving)	CURRENT
IFS Code of the Branch	FDRL0001377

4. **Delivery :-** The delivery shall be completed within Eight (8) months which shall be reckoned from 7th day of the order date.

5. **Consignee:-** – (As per Allocation) :

Consignee	Area	Quantity Allocation
The Depot Officer, Regional Stores, Western Coalfields Limited, P.O.:-Silewara, Nagpur Area	Nagpur	2 Nos
The Depot Officer, Regional Stores, Western Coalfields Limited, New Majri , Majri Area P.O.:-Shivaji Nagar, Distt:- Chandrapur-(M.S)Pin: 442 603.	Majri	1 No
The Depot Officer, Regional Stores, Western Coalfields Limited, Ballarpur Area	Ballarpur	1 No

6. **Guarantee/Warranty:** You shall give a warranty for satisfactory performance of the complete equipment for a period of One (1) year from the date of installation/ commissioning or 18 months from the date of receipt & acceptance, whichever is earlier.

7. **Security Deposit:-** You will have to furnish the security deposit amount to this office in the form of Demand Draft or Bank Guarantee of any scheduled / Nationalized bank for 10% (ten percent) value of the awarded contract (landed value) i.e. for Rs. 11,57,640/- (Rupees Eleven Lakhs Fifty Seven Thousand Six Hundred Forty Only) within 15 days time from the date of supply order. In case you fail to deposit the security money, the order shall be cancelled and the case shall be processed to order elsewhere and performance of the firm shall be kept recorded for future dealings with them.

Security deposit money will be refunded you within 30 days from the date of satisfactory execution of the contract.

For unsatisfactory performance and / or contractual failure, the security money shall be forfeited. The security deposit may be converted into PBG as per NIT Provision. Format of Bank Guarantee for SD/PBG is enclosed as per Annexure-C

The Bank Guarantee issued by the issuing bank on behalf of the supplier in the favour of Western Coalfields Ltd shall be in paper form as well as issued under "Structured financial messaging system as per details given in Clause no. 11 i.e. PBG Clause

8. Inspection :- Final Inspection of the consignment shall be carried out at the destination stores, which will be arranged by the consignee on receipt of stores.

9. Submission of Bills :

A) For claiming 80% Payment

Following documents are to be submitted by you along with original bills as per terms of the supply order to the consignee.

- i. Pre-receipted and stamped Invoice
- ii. Packing list in original list giving details of bill of materials, if applicable.
- iii. Consignment note / RR/ LR in original.
- iv. GST Compliant Invoices
- v. E-way bill as per GST rule
- vi. Warranty / Guarantee certificate, if applicable.
- vii. Manufacturer's test certificate, if applicable.
- viii. Any other documents indicated elsewhere in the order.

The consignee shall forward the bills to the paying authority duly accepted along with SRV well within time so that payment is released within stipulated period as per contract.

B) For claiming Balance 20% Payment

1. Pre- receipted and stamped invoice for balance 20%
2. Documents necessary for safety and other clearances/ approvals from Govt. and other regulatory bodies as applicable & after obtaining Registration, Road tax and Goods Carriage Certificate from RTO from the respective Area/ SO(E&M), WCL Hqrs

10. Paying Authority:- General Manager (Fin)I/c, WCL Hqrs, Nagpur (MS) -440001

11. Performance Bank Guarantee (PBG):-You will have to submit Performance Bank Guarantee for satisfactory operation and performance valid for 18 months from the date of supply of equipment, equivalent to 10% value of the contract including taxes and duties etc. to the FOR destination price of the equipment on order i.e. for Rs. 11,57,640 /- (Rupees Eleven Lakhs Fifty Seven Thousand Six Hundred Forty Only) covering the warranty period

The Bank Guarantee shall be released after successful completion of the Guarantee/Warranty period after obtaining confirmation from GM(E&M)HOD. The PBG may be submitted immediately after dispatch of materials. No Payment shall be made without submission of confirmed PBG.

The bank guarantee issued by the banker of the firm shall be operational for all purposes at Nagpur branch (Maharashtra).

The Bank Guarantee issued by the issuing bank on behalf of the supplier in the favour of Western Coalfields Ltd shall be in paper form as well as issued under "Structured financial messaging system". The details of beneficiary for issue of BG under SFMS platform is furnished below:

AW

2/7/18

Name of beneficiary and details	
Name	Western Coalfields Ltd
Area	Head Quarter
Bank Account No:	'005905018053
Customer ID of Beneficiary	556096497
Bank A/c No: / Cust ID of beneficiary	Customer ID: 556096497 Bank A/c no: 005905018053 ICICI Bank Ltd, Vishnu Vaibhav, 222, Palm Road, Civil Lines, Nagpur
IFSC code	ICIC0000059
Bank Manager Name & Ph no:	Hrushikesh Sakalkale Ph n: +91-9923202096
BG Advising Message- 760COV/767COV via SFMS	
Field Number	Particulars
7035	ICIC0000059
7037	WCL556096497

The original bank guarantee issued by the issuing bank shall be sent by the issuing bank to the following address by Registered post /AD.

General Manager (MM) I/c
Materials Management Wing
Western coalfields ltd HQ
Coal Estate, Civil lines
Nagpur – 440001
Maharashtra

Any extension / amendments to the BG shall be done following the same procedure as above.

12. Liquidated Damages:- In the event of failure to deliver or dispatch the stores within the stipulated date / period in accordance with the samples and/or specification mentioned in the supply order, and in event of breach of any terms and conditions mentioned in the supply order, Coal India Limited shall have the right,

- a) To recover from the successful bidder as agreed liquidated damages, a sum not less than 0.5% (half percent) of the price of any stores which the successful bidder has not been able to supply as aforesaid for each week or part of a week during which the delivery of such stores may be in arrears limited to 10%. Where felt necessary the limit of 10% can be increased to 15% at the discretion of Head of the Materials Management Division
- b) To purchase elsewhere, after due notice to the successful bidder on the account and at the risk of the defaulting supplier the stores not supplied or others of a similar description without canceling the supply order in respect of the consignment not yet due for supply, or
- c) To cancel the supply order or a portion thereof, and if so desired to purchase the stores at the risk and cost of the defaulting supplier and also-
- d) To extend the period of delivery with or without penalty as may be considered fit and proper, the penalty, if imposed shall not be more than the agreed Liquidated Damages referred to in clause (a) above.
- e) To forfeit the security deposit full or in part.
- f) Whenever under this contract a sum of money is recoverable from any payable by the supplier, WCL shall be entitled to recover such sum by appropriating, in part or in whole by deducting any sum from any other contract should this sum be not sufficient to cover the full amount recoverable. The successful bidder shall pay WCL on demand the remaining balance. The supplier shall not be entitled to any gain on any such purchase.

ASN

7/7/18

13. Force Majeure Clause : If the execution of contract / supply order is delayed beyond the stipulated period in the contract/supply order as a result of outbreak of hostilities declaration of an embargo or blockade, or fire, flood, acts of nature, or any other contingency beyond the supplier's, control due to act of God then Western Coalfields Limited, may allow such additional time by extending the delivery period as it considers to be justified in the circumstances of the case and its decision shall be final. If and when additional time is granted by the Western Coalfields Limited, the contract/ supply order shall be read and understood as if it had contained from its inception the delivery date as extended.

14. Price Certificate:- A Price Certificate shall be submitted by you along with consignment as under: "Certified that we have not offered the same products at a price lower than that offered in the present bid in respect of any other ministry/ department of the Govt. of India or a PSU. In case we offer the lower prices for same items under similar terms within the validity of this offer to ministry/department of the Govt. of India or a PSU, we undertake to notify such reduction to the buyer and the same will also be applicable against this offer."

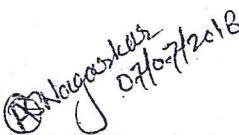
15. OTHER CONDITIONS:- You shall assist in obtaining Registration, Road tax and Goods Carriage Certificate from RTO. However, The Registration charges, Road Tax and other RTO charges shall be borne by WCL

16. Manufacturing certificate : As the order is being placed on the basis of consideration that you are manufacturer of the ordered stores, you will have to provide a certificate to the following effect on the body of each bill :-


"Certified that the items supplied included in this bill/invoice are of own make have been actually manufactured in our works situated at. (address of the factory)."

Unless otherwise specified above, this Supply order shall also be governed by our General Terms and Conditions-Annex "B" enclosed herewith.

Please acknowledge receipt of this Supply order within 15 days and return duplicate copy of this order duly signed with seal of your company as a token of acceptance, otherwise it will be presumed that you have accepted the Supply order as per terms and conditions, for execution.


(Ashish S. Nagarkar)
Dy. Manager (MM)

Your faithfully,


(KSR Divakar)
Chief Manager (MM)

Encl.:

- I. Detailed technical specification:- Annex- "A"
- II. General Terms and conditions-Annex "B"
- III. Format of Bank Guarantee for SD/PBG- Annex "C"

Copy to:-

1. Area GM/Depot Officer/AFM/SO(MM)/SO(E&M)- Nagpur/Ballarpur/Majri Area
2. GM(E&M)HOD; GM(P&P)HOD, WCL (HQ) Nagpur
3. GM(Fin)I/c -I/ GM(Fin)I/c -II, WCL (HQ) Nagpur
4. Sr. Manager(MM)Admin, WCL Hqrs, Nagpur
5. GM(MM)HOD, NCL/SECL/MCL/NECL/BCCL/CCL/ECL

Indent & Budget Details:-

AREA	Indent Ref	Quantity (Nos)	Against PR/SOR
Pouni II OC/ Ballarpur area	SAM/49 dtd. 07.02.2017	1	PR
NMOC/ Majri Area	3600114 dtd. 09.05.2016	1	PR
Gondegaon/ Nagpur Area	3601191 dtd. 11.03.2017	1	PR
Inder OCM/ Nagpur Area	00250 dtd. 29.05.2017	1	PR

Budget Ref:- FA/WCL/CAP/BC/OPM/97 dtd. 25.06.2018 for Rs. 1,15,76,320 /-

(Signature)
07/07/2018
Dy. Manager (MM)

(Signature)
Chief Manager (MM)

Detailed Technical Specifications**Annexure A (Total 5 Pages:- Page 7 to Page 11)**

1. The Fire Tender (appliance) shall incorporate Fire Pump of 1800 Liters/minute capacity and a Water Tank of 4500 Litres (Min.) capacity mounted on truck chassis of G.V.W. not less than 15 Tons of TATA/ ASHOK LEYLAND make. The truck chassis (New) is included in the scope of supply.
1.1 Total Quantity :- 4 Nos
2.0 Make/Model of the offered chassis :- TATA 1613 / ASHOK LEYLAND 1618
STANDARD
3.1-The vehicle in all respect shall conform to Central Motor Vehicles Rules 1989 including Central Motor Vehicles (Amendment) Rules, 2010 for mass emission standard.
3.2-The Water Tender (Fire Tender) shall have to meet approval of the other Statutory Government authorities, if any.
3.3-The standard to be followed as per BIS/ISO, wherever it is applicable.
3.4-The vehicle (Water Tender) shall meet the requirement of ARAI norms as applicable.
3.5-The safety features requirement of DGMS, if any, applicable for the Water Tender including chassis shall be provided for its use in coal mines.
3.6-The G.V.W. specified for the chassis shall be well within R.T.O. specification for complete Water Tender.
MATERIAL
4.1-The material to be used in the construction in the appliance to combine lightness with strength and durability. Pressed section fabrication shall be used wherever necessary.
4.2-Pump casing, Impeller and neck ring : Bronze (Grade LTB2 of IS:318-1981)
4.3-Pump Shaft: SS (Grade 4 Cr-18,Ni-10 of IS:6603-2001)
4.4- Pump Panel: Mild Steel Sheets (IS:513-1994)
4.5-All parts, which form water ways or come into contact with water shall be of corrosion resisting material or should be made of material duly treated for anti-corrosion. All metal parts exposed to atmosphere shall either be of corrosion resisting material or treated.
4.6-Lubricating nipples shall be provided wherever necessary.
ELECTRICAL SYSTEM
5.1-All important electrical circuits shall have separate fuses suitably indicated and shall be grouped into a common fuse box located in an accessible position in drivers cab and fitted with means for carrying spare fuses. The wiring shall be single pole and shall not be exposed to the atmosphere. Conduits shall be used wherever necessary.
WATER TANK
6.1-It shall have a capacity of not less than 4500 Litres. The tank shall be constructed out of mild steel treated for anti-corrosion shall be suitably mounted on the chassis in a manner keeping in view the proper load distribution on the axles. The tank shall be suitably baffled to prevent surge when the vehicle is breaking, cornering or accelerating. The baffles shall be arranged in a manner to facilitate the passage of a man through out the tank for cleaning purposes. The tank shall be mounted on minimum of three cross members to counter-act stresses caused by chassis flexing and shall be so secured that it can be removed. The tank body and baffle shall be minimum of 6 mm thick plate.
6.2-The tank shall be fitted with a 50 mm bore overflow pipe. A 63 mm instantaneous hydrant connection, incorporating a strainer, shall be provided close to the pipe panel control for filling the tank through 50 mm bore pipe work or feeding the hose reel equipment. An 80 mm bore pipe line shall be taken from the tank to the suction inlet of the pump incorporating an 80 mm quick action spherical type valve. Separate valve(s) for performing the functions given below at Sr.No.5.6 shall be provided to control the flow of water to the hose reel equipment. Drain plugs or drain cocks shall be provided wherever necessary.
6.3-'The tank shall be given adequate anti-corrosive treatment from inside after fabrication, if it is not galvanized. The open end of the overflow pipe should be taken down to a point well below the chassis without affecting the ground clearance when fully loaded and shall discharge away from the wheels. Anti-corrosive treatment to the tank shall be given after the inner side of the tank has been

properly cleaned by sand-blasting.
6.4-Dial gauge water level indicator for the tank shall be provided preferably in the driver's cab or a visual level gauge of the glass tube shall be provided at the control panel calibrated $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and full (preferably calibrated in litres).
6.5-The tank shall have a bolted manhole of 45 cm dia minimum. A cleaning hole of at least 25 cm dia shall also be provided at the bottom.
6.6-The tank shall be connected with the pump and hose reel and valve(s) shall be provided in such a way that any of the operations are possible. (a) Hydrant tank(s) (b) Hydrant reel (c) Tank-pump-reel (d) Hydrant pump-reel, and (e) Off.
HOSE REEL :
7.1-One hose reel shall be provided at the rear of the appliance with 60 M length of 20 mm bore hose connected by screw 'C' type quick release coupling and terminating with a control branch and 5 mm nozzle. The reel shall be fitted with friction brake and locking device.
PUMP
8.1-'A centrifugal pump shall be mounted at rear of the appliance. The pump shall be multi stage type. Anti-friction bearings external to the casing be provided so as to avoid any bearings within the pump casing. The gland shall be of the mechanical self adjusting type.
8.2- The impellers should be dynamically balanced. A drain cock plug shall be provided at the bottom of the casing in such a way to prevent the cock being opened due to vibration. Studs etc., used in the pump casing shall be preferably of stainless steel. The pump casing and impeller castings shall withstand the hydraulic pressure of 21 Kgf/cm ² .
8.3-The pump shall be completely covered. However, all the controls on the panel and the gauges shall be uncovered. The pump shall be coupled to the prime-mover of the chassis through a power take-off capable of full torque of the engine used for the appliance. No old or reconditioned P.T.O. is acceptable and the gear ratio of the P.T.O. shall perfectly match the rated rpm of the pump and prime-mover. The P.T.O. shall be a new one of standard make capable of withstanding the life of the appliance. A control lever for engaging and disengaging the pump with suitable locking devices, shall be provided in the driver's cab.
8.4-The pump shall be designed to give its rated output of 1800 litres per minute at 7Kgf/cm ² with an engine and pump input at shaft speed safe enough to operate the engine. The pump shall give performance as given in Table-1, when working with strainers (except basket strainer) at 27 ± 2 °C. water temperature (max.). The allowances shall be given as under:
9.0-OUTPUT in Lit/ Minutes 1800 1450 720
a) 1800 LPM at 7 Kgf/cm ² and 3 Mtr lift
b) 1450 LPM at 8.8 Kgf/cm ² and 3 Mtr lift
c) 720 LPM at 7 Kgf/cm ² and 7 Mtr lift
PUMP TEST :
10.1-The pump shall be run for a period of four hours non-stop delivering the rated output at 7 Kgf/cm ² with a lift of 3 m. During the test, the water shall not be replenished for the cooling system and the temperature of the engine oil shall not exceed 115 °C. or the engine manufacturer rated temperature for continuous working whichever is less.
10.2-The engine should show no sign of stress during the test. The temperature of the cooling water (radiator water) tank shall not exceed 85 °C. The P.T.O. sump oil temperature shall not exceed 100 percent of the manufacturer's recommended temperature for the grade of oil used. The pump casing and impeller shall be subjected to a hydraulic pressure of 21 Kgf/cm ² to detect leakage, perforation etc.
SUCTION INLET AND DELIVERY VALVES
11.1-The pump shall be provided with two delivery valves having 63 mm standard hose couplings with screwed wheel type quick closing clack valve. Blank caps fastened with chains and incorporating means to relieve pressure between the valve and the cap shall be provided one for each delivery valve.
PRIMER :
12.1-The primer shall be capable of lifting water at least 7.0 m (measured from water level to the centre of pump) is not more than 24 seconds. The allowance shall be 30 cm for every, 300 m

elevation above mean sea level and 1 percent for 2.5 °C. rise in water temperature.
12.2-The primer shall be of reciprocating type: The selection of materials shall be made with a view that no major part is required to be replaced in course of service and the material used for these parts shall be phosphor bronze and stainless steel depending upon their respective strength and use. The caps of primer and springs shall be properly secured. The prime lever shall be easily accessible from the operator position.
12.3-The primer shall be designed with a view to prime when the pump is running at speed of 1000 to 1500 rpm.
CONTROL PANELS :
13.1-Adequately illuminated control panel shall be provided and positioned at the rear of the appliance. The control panel shall include -
(a) Throttle control for engine with a device to control engine r.p.m. during priming.
(b) Pressure gauge – 0 to 17.5 Kgf/cm ² .
(c) Compound gauge calibrated as : Vacuum-0 to 75 cm Hg, preferably in red. Pressure –0 to 6 Kgf/cm ² , preferably in black.
(d) Prime control.
(e) Gauge for radiator water and glow lamp for lubricating system and
(f) Cooling water circuit control.
13.2-The arrangement shall be provided at a convenient position near the control panel.
(a) Water level indicator
(b) Control valve hydrant connection
BODY WORK AND STOWAGE
14.1-Enclosed accommodation for six persons shall be provided in the driver cab-cum-crew compartment including the driver and the Incharge of the crew. Two doors with windows and seats of standard type and size on each side shall be provided on the driver cab-cum-crew compartment. The doors shall be hinged opening outwards and shall be hung forward and shall have catch locks and flush type handle
14.2-The cab and lockers should be of composite construction with sufficient rigidity and reinforcement and shall be kept as light as possible. Pressed section of sufficient strength shall be used for the superstructure.
14.3-Lockers shall be provided to secure stowage of all equipment given in clause 17.1, 20.1 below except those mounted on fire tender. The height & depth of the lockers shall not be not less than 450 mm. Suitable means shall be provided for proper drainage of water.
14.4-All lockers shall be provided with internal automatic lighting arrangement with master switch in the cabin. The doors of the lockers shall have efficient means for holding them closed by efficient flush fitting spring loaded locks. The doors of the side lockers shall not be hinged at the bottom.
14.5-Hose tunnels shall be provided to carry four 2.5 m lengths of suction hoses in convenient location. Drain holes shall be provided preferably at the bottom of the tunnel and hose stowage compartment.
14.6-Ladder Gallows
14.7-Tool Kit Container
STABILITY :
15.1 -The stability of the appliance shall be such that when under fully equipped and loaded conditions (But excluding crew), if the surface on which the appliance stands is tilted to either side; the point at which overturning occurs, is not passed at an angles of 30° from the horizontal.
WORKMANSHIP AND FINISH :
16.1-All parts of the appliance shall be of good workmanship and shall have streamlined finish.
16.2-The appliance shall be painted fire red colour conforming to shade No.536 of IS:5-2004. The paint shall conform to IS:2932-2003.
INSTRUCTION BOOK, ACCESSORIES AND EQUIPMENT :
16.3-Instruction Book(s) for the guidance of the user(s) including both operating and normal maintenance procedure shall be supplied. The book(s) shall include an itemised and illustrated spare parts list giving reference numbers of all the wearing parts.
ACCESSORIES

17.1-The following accessories shall be provided in addition to these normally fitted on modern commercial vehicles :
(a) Fire Bell – 250 mm diameter fire bell shall be mounted externally and shall be capable of being operated from within the driving compartment. The bell shall be of the hand operated type.
(b) Hand lamps – two
(c) Fog lamps – two
(d) Reversing light – Lamp suitably, situated to assist reversing.
(e) Amber blinkers lights – Situated on the head of the driving compartment on both sides.
(f) Trafficators – Illuminated with indicating lights on instrument panel or in any other prominent position in driving compartment.
(g) Wind screen wiper.
(h) Tools - All tools required for normal routine maintenance of the appliance which are not included in the kit for the chassis.
(i) Siren – Battery operated or Hooter.
(j) Search light - Adjustable to give flood of beam light, mounted in a convenient position but capable of being readily disconnected and mounted on a tripod away from the appliance, complete with tripod and with not less than 30 m of TRS cable on a reel mounted on the appliance.
(k) Spot-light – Adjustable, mounted in a convenient position on the near side of the driving compartment.
(l) Inspection lamp – Protected type on wander lead with plug. A socket shall be provided in the control panel in the driver's cab for plugging in the lamp.
(m) Tail lamps – Two of combined stop and tail.
(n) Rear reflectors.
(o) Cab, instrument panel and locker, light.
(p) Public address system.
MARKINGS
18.1-Each appliance shall be clearly and permanently marked with the following information.
(a) Manufacturer's name or trade-mark, if any.
(b) Capacity of the pump in litres/minute, and of the water tank in litres, and
(c) year of manufacture.
MONITOR
19.1-Monitor on top of the appliance shall be fitted with female coupling to enable fitment of all types of branch pipes including foam making branch pipes.
SCHEDULE OF EQUIPMENT TO BE STOWED IN THE APPLIANCE :
20.1-Aluminium extension ladder-10.5m(IS:4571-1977): 1 No.
(a) Hose-clamps [IS:5612 (Part-I)-1977]: 25 Nos.
(b) Hose-bandages [IS:5612 (Part-II)-1977]:25 Nos.
(c) Hose slings: 20 Nos.
(d) Hose straps: 20 Nos.
20.2-Suction hose of rubber of 100 mm internal diameter in 2.5 m length fitted with 100 mm suction hose couplings (IS:902-1992): 10 M
20.3-Suction wrenches for 100 mm suction coupling (IS:4643-1984): 2 Nos.
20.4-Suction strainer 100 mm size (IS:907-1984): 1 No.
20.5-Basket strainer (cylindrical type)(IS:3582-1984):1 No.
20.6-ADAPTOR:
(a) Adaptor for 100 mm suction female screw coupling and 63 mm male instantaneous pattern.: 2 Nos.
(b) Adaptor double female instantaneous pattern 63 mm: 2 Nos.
(c) Adaptor double male instantaneous pattern 63 mm: 2 Nos.
20.7 Portable fire extinguisher, dry powder type 2 Kg (IS:2171-1999): 1 No.
20.8-Lowering line – 50 mm hemp or terylene, 40 m long having two ends spliced and one end with running noose (IS:1084-1994): 1 No.
A-Long line – 50 mm manila, 30 m long (IS:1084-1994): 1 No.

B-Short line – 50 mm manila, 15 m long (IS:1084-1994): 1 No.
20.9--Canvass bucket: 2 Nos.
20.10--First Aid box for 10 persons: 1 No.
20.11-Rubber gloves in case (IS:4770-1991): 1 Pair
20.12-Asbestos, guant lets (In case): 1 Pair
20.13-Spanner, adjustable, 30 cm long handle (IS:6149-1984): 1 No.
20.14-Door breaker: 1 No.
20.15-Hydraulic Jack – 15 tonne: 1 No.
20.16-Tool Kit: 1 No.
20.17-Grease gun: 1 Nos.
20.18-Oil feeder: 1 No.
20.19-Can for oil – 2 Litres capacity: 1 No.
20.20-Funnel for oil or fuel filling: 1 No.
20.21-File bastard red 30 cm (IS:1931-2000): 1 No.
20.22-Portable electric Box lamp with rechargeable accumulator.: 2 Nos.
20.23-Foam making branch FB-4/FB-5 with pick up tube.: 1 No.
20.24-Mech. Foam compound AFFF 6%: 200 Ltr.
20.25-Collecting breaching instantaneous pattern 63 mm: 1 No.
20.26-Fog nozzle (IS:952-1986) with extension applicator with fog head.: 1 No.
20.27-Hand controlled branch for 63 mm size hose coupling. 1 No.
20.28-Branch pipe, Universal (IS:2871-1983): 1 No.
20.29-Branch with revolving head (IS:906-1988): 1 No.
20.30-Branch Pipe (IS:903-1993): 4 Nos.
20.31-Nozzle of sizes 12 mm, 16 mm, 20 mm and 32 mm (two each) (IS:903-1993):. 8 Nos.
20.32-Nozzle spanners (IS:903-1993):. 2 Nos.
20.33- Gunmetal section collecting head 3-way having 3 male instantaneous coupling of 63 mm size with 100mm round thread female coupling.: 1 No.
CONDITION
21.1-To meet all the statutory, safety, mandatory and standard requirements / norms shall be the responsibility of the supplier/ Fabricator before supply of the Water Tender (Fire Tender).
DOCUMENTS TO BE SUBMITTED WITH THE SUPPLY:
22.1-All the necessary documents required for registration of Fire Tender with RTO authority

(Signature)
07.07.2018
Dy. Manager (MM)

(Signature)
Chief Manager (MM)

