

POWER TRANSMISSION CORPORATION OF UTTARAKHAND LTD.
TENDER NOTICE

Sealed and separate tenders in two parts (Part-I & II) are invited from original manufacturers/their accredited representative of Electric ‘A’ Class valid license holder from Uttarakhand Government or equivalent authority of following supply/works. The tender documents shall be down loaded from our internet website of www.ptcul.org. The date of opening of tenders if happens to be public holiday, tenders shall be received and opened on next working day at scheduled time. The undersigned reserves the right to reject one or all tenders without assigning any reason thereof.

Tender shall be received through Registered Post only (acknowledgement due) addressed to Chief Engineer (O&M), Kumaon Zone, PTCUL, 220KV S/S Kamaluaganja, Post Office Kamaluaganja, Haldwani in the office upto 5.00 PM on specified date. The department shall not own any responsibility regarding the postal delay in the receipt of the tender.

The Part-II of the tenders, belonging to only those tenders who qualify for the work on the basis of the documents supplied by them in Part-I, shall be opened publicly same day. The due date of opening of tenders if happens to be public holiday, tenders shall be received and opened on next working day at scheduled time. All other terms and conditions shall be as per tender documents.

Part I & II shall contain the following :

(A) Part-I : Part-I of the tender shall contain the following :-

- i) Cost of tender document : In the form of Bank Draft in favour of Executive Engineer, 220KV O&M Division, PTCUL, Haldwani payable at Haldwani.
- ii) Earnest Money : In the form of FDR/CDR/NSC/TDR duly pledged in favour of Executive Engineer, 220KV O&M Division, PTCUL, Haldwani payable at Haldwani.
- iii) Experience Certificate : Experience certificate issued by an officer not below the rank of Executive Engineer for the related works must be furnished with Part-I.
- iv) Annual Turn over : The annual turn over of the firm/contractor should be not less than one crore of last year for which Income Tax return for the last year must be furnished in Part-I.
- v) Registration : The Firm/contractor must be registered in Sales Tax, Income Tax & Service Tax Department.

Relevant documents in support of above must be furnished. If these documents are not furnished alongwith the tender in Part-I, the offer will be liable to be rejected summarily.

(B) Part-II : shall contain Techno-Commercial and Price Bid.

- 1- Tender specification No. : GM(O&M)/03/2013-14
- a) Name of work : Providing different types of the fire extinguishers in various 132 KV Substation under O&M Division, Almora.
- b) Earnest money : Rs. 50,000.00
- c) Cost of tender document : Rs. 2000.00 + 13.50% VAT
- d) Starting date for down loading tender document : 10-05-2013
- e) Closing date for down loading of tender document : 10-06-2013 upto 5.00 PM
- f) Last Date for submission Of Tender Document : 16-06-2013 at 5.00 PM
- g) Opening date of Tender Part-I & II : 17-06-2013 & 24-06-2013 respectively at 11.00 AM.

“Save Electricity in the interest of nation”

Chief Engineer (O&M)
220KV S/S Kamaluaganja
Haldwani (Nainital)

TENDER FORM

TENDER FOR

.....
against Tender Specification No.GM(O&M)/

From,

To,

The Chief Engineer (O&M)
Kumaon Zone,
Power Transmission Corporation of Uttaranchal Ltd.
220KV Kamaluaganja
Haldwani(Distt.-Nainital)

Sir,

With reference to your invitation to tender for the above, I hereby offer to the Power Trans. Corp. of Uttaranchal Ltd. items in the schedule of prices and delivery annexed or such portion thereof, as you determine in strict accordance with the annex condition of contract form "B" specification and schedule of rates to the satisfaction of the purchaser or in default thereof to forfeited and pay to Power Trans. Corp. of Uttaranchal Ltd. the sum of earnest money mentioned in the said condition.

The rates quoted are inclusive pro-rate and in full of satisfaction of the all claims.

I/We agree to abide by this tender for the period of 120 days from the date fixed for receiving the same

A sum of Rs. in the form of is herewith forwarded duly endorsed in favour of Executive Engineer, 220KV O&M Division, Haldwani as earnest money deposit, the full value of which shall be retained by the Power Transmission Corporation of Uttaranchal Ltd. on account of security deposit specified in clause-3 of the said conditions of form "A".

Yours faithfully

Signed

Dated the day of 200

SIGNATURE OF THE
TENDERER IN FULL

Witness
Address
Occupation

TENDER PERFORMA

SCHEDULE 'C'

Sr. Particulars

1. Specification No. against which you have tendered.
2. Receipt No. & date by which cost of the Tender Specification deposited by you.
3. Specification of the material for which tender has been submitted. Are you a manufacturer of the item ordered for or ace-credited Agent of manufacture?
4. Quantity offered (In there are two or more items state quantities separately with units.)
5. Amount of form in which earnest money deposited with Executive Engineer, 220KV O&M Division, Haldwani(UA) Please give referenda in this connection.
6. Do you agree to all the conditions of the Tender specification clearly which you would desire in the general conditions of contract form(It may please noted that it shall be entirely at the discretion of the purchaser to accept or to reject the modification proposed.)
7. Please state clearly(Answer Yes or No) if you would agree to undertake the supply incase the modification as suggested under Sl. 6 is not acceptable to the Corp. without imposing any further condition/conditions from your side.
8. Give the reference who can certify your financial status & capability to undertake such supply order. One of the references should be schedule Bank of India.
9. Do you confirm that there are no typographical errors/omissions in your tender and all other documents forming part of the Tender? (Yes/No).

10. Have you submitted list of past suppliers work executed.
11. What is the validity period of your Tender?
12. What is the Delivery Period? Please state if the delivery is guaranteed under penalty state the delivery date/month.
13. Are you agreeable to the delivery period being reckoned from the date of receipt of acceptance letter by you?

PRICE/PRICES

1. Is the quoted prices for each item FIRM/Firm in all respect?
2. If the quoted prices is variable please give the price variation formula and also the basis (with documents) of quoted price.
 - (A) Do you agree that the price variation clauses shall be applicable only within the guaranteed completion period as mentioned in tender and shall no be applicable there after even if extension in delivery is granted at later stage on any ground whatsoever.
 - (B) Have you furnished the documentary evidence in respect of basis mentioned in item 2(A) above?
3. Is the quoted price exclusive of Sale Tax?
4. If the price is inclusive of Sale Tax. What is the amount of Sale Tax included and at what rate?
5. Is the quoted price exclusive of Excise Duty on finished product?
6. If the quoted price is inclusive of Excise Duty included and at what rate?
7. In the quoted price exclusive of transit Insurance charges covering 30 days?

“Not For Sale – For Web Based Tendering Only”

8. If the quoted prices is inclusive of insurance that the amount of insurance charges included to what rate?
9. Please state if you would claim any other charges over & above the price as extra which are not covered by Sl. No. to If yes, please state extra separately indicating the amount in rupees against each on per unit basis.
10. Do you offer any discount and if so what is the discount in unit.
11. Have you read the standard clause 2.10 of special conditions which for change of price/prices or its/their structure after the opening of tender?

TECHNICAL SPECIFICATION:-

1. Is the material offered according to the specification of the purchaser?
2. If the material offer is/not exactly accordingly to the purchasers specification. Please get the verification from the same.
3. Have you enclosed leaflets, descriptive and illustrative catalogues in triplicate?
4. Have you enclosed copies of test certificates in respect of material offered?
5. Have you submitted sealed sample (Non refundable) and delivered the same to the office of Dy. General Manger, Trans. Haldwani.
6. Have you filled up the schedule of technical particulars?
7. Guarantee of offered material shall be 6 or 12 months.

ADDRESS

Place:

Date:

SCHEDULE "B"

DEPARTURE FROM SPECIFICATION

Sl.No.	Name of Items	Description of Departure	Reference of Clause in Specifications
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APPLICATION FROM TENDERER

(On a Non-judicial stamp paper of Rs.5/- plus 0.20 paise revenue stamp affixed)

AGREEMENT

Tender invited by
Tender for
Tender Notice No.
and Date
Name of Tenderer

In consideration of the Power Transmission Corporation of Uttaranchal Ltd. having treated the tenderer to be an eligible person, whose tender maybe considered, the tendered, the tenderer here-by agrees to the condition that the proposal in response to the above invitation shall not be withdrawn within three months from the date of opening of the tender and also to the condition that if there, after the tenderer withdraws his proposal within the said period, the Earnest money deposited by him may be forfeited to the Power Transmission Corporation of Uttaranchal Ltd. on the discretion of the Engineer-in-charge.

Signed this day of 200

SIGNATURE OF TENDERER

Full Name

WITNESS

- 1.
- 2.

**UNDERTAKING EXPERIENCE AND FINANCIAL CAPACITY FOR
EXECUTING THE WORK**

A. Working experience for last 3 years.

Sl.No.	Name of Work	Cost	Date of completion	Total time of completion	Name and address of office under whom work was executed with certificate
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Note :-

1. Testimonials in support of the above may be submitted from officer not below the rank of Executive Engineer.
 2. Attach additional paper if details are not covered in this table.
- B. Position of last Income Tax clearance.
C. Financial capacity of Contractor.
(Give bankers name and capacity of execute work).

SIGNATURE OF TENDERER

**Bill of Quantity & Technical specification against Tender Specification No. GM(O&M)/03/2013-14
for providing different types of fire extinguishers at 132 KV Substation Almora, Ranikhet & Pithoragarh.**

Sl. No.	Description of work	Qty.	Rate (Rs.)	Amount (Rs.)
1-	ABC MAP-90 : IS 13849, ISO 9001 & CE certified extinguishers and carry the certificates, the extinguishers manufactured as per IS 15683: 2006. Performance as per IS 15683: 2006, have Fire Rating of 21A, 183 B , extinguisher body made up of Mild steel and thickness of the body 2.0 mm, contain Mono Ammonium Phosphate 90% (100% pure)to net weight) as Fire fighting agent. Mono Ammonium phosphate powder discharge less than 14 sec. Activation time of the Fire Extinguisher 2 seconds, effective throw of the Extinguisher 13.5 ft. Minimum powder discharge of extinguisher when valve is fully opened 6 Kg Capacity	3 Nos. (1 No. each at Almora, Ranikhet & Pithoragarh)		
2-	ABC MAP-90 : IS 13849, ISO 9001 & CE certified extinguishers and carry the certificates, the extinguishers manufactured as per IS 15683: 2006. Performance as per IS 15683: 2006, have Fire Rating of 21A, 183 B , extinguisher body made up of Mild steel and thickness of the body 2.0 mm, contain Mono Ammonium Phosphate 90% (100% pure)to net weight) as Fire fighting agent. Mono Ammonium phosphate powder discharge less than 14 sec. Activation time of the Fire Extinguisher 2 seconds, effective throw of the Extinguisher 13.5 ft. Minimum powder discharge of extinguisher when valve is fully opened 9 Kg Capacity	3 Nos. (1 No. each at Almora, Ranikhet & Pithoragarh)		
3-	ABC Map- 90 : Fire Extinguisher Mono Ammonium Phosphate Powder 90, Gross Weight 176 Kg, Empty Weight 101 Kg, Can Height 1200MM, Diameter 400MM, Discharge time50-60 Secs, Controllable discharge mechanism, Range minimum 10 Meters, Applicable on Class A,B,C and electrically started Fire, A Rating >55A, B Rating- IIIB, Can Construction: Mig welded, Valve Construction : Forging & Machining, Internal Coating of Can : Epoxy Powder coating, External Coating of Can : Epoxy Polyester Powder coating, Sheet metal thickness : 5.00MM, ISI and CE Approved, 75 kg Capacity	3 Nos. (1 No. each at Almora, Ranikhet & Pithoragarh)		
4-	Gas Type Aluminium Fire Extinguisher : Trolley Mounted, Easy Weight Management, Used Unused Mechanism, Squeeze Grip, Gross Weight 11.16 Kg, Empty Weight 6.66 Kg, Can Height 860MM, Diameter 140MM, Discharge time minimum 13 Secs, Controllable discharge mechanism, Range minimum 2 Meters, Applicable on Class B&C Fire, B Rating 21B, Can Construction : Cold Impact Extrusion, Valve Construction : Forging & Machining, Internal Coating of Can : Not Applicable, External Coating of Can : Spray Painting, CE & PESO Approved, 4.5 Kg. Capacity	6 Nos. (2 No. each at Almora, Ranikhet & Pithoragarh)		
5-	Gas Type Fire Extinguisher : Trolley Mounted, Used Unused Mechanism, Wheel Type Discharge, Gross Weight 93.5 Kg, Empty Weight 71.0 Kg, Can Height 1330MM, Diameter 232MM,Discharge time 20-60 Secs, Controllable discharge mechanism, Range Minimum 4 Meters, Applicable on Class B&C Fire, B Rating-89B, Can Construction : Hot Spinning / Forging, Valve Construction : Forging & Machining, Internal Coating of Can : Not Applicable, External Coating of Can : Spray Painting, Sheet metal thickness : 5.2MM, ISI & CE Approved,	6 Nos. (2 No. each at Almora, Ranikhet & Pithoragarh)		

	Capacity 22.5 kg			
6-	Water Mist Fire Extinguisher : Gross Weight – 110 Kg, Weight of the empty firefighting system without compressed air bottle and bottle valve- 60 Kg, Can Height – 1130 MM, Diameter – 300 MM, Weight of the gun- 1.9 Kg, Nominal charge- 50 Ltr., Recoil – approx. 10N, Extinguishing Media Flow – 0.31 L/ sec, Water Discharge Hose – 13 MM, Discharge time minimum 180 Secs, Range minimum 10 Meters, Compressed Air to Gun – 10 MM, Applicable on Class A, B & Electrically started Fires, Compressed air bottle (volume/pressure) - 6L/300bar, Operating pressure(dynamic)-approx 5 bar, Operation time- approx 160 sec, Extinguishing enhancement agent- Foam Additive, CE and ERDA approved, Sheet Metal Thickness – 2.00 MM, Capacity 50 Liters	3 Nos. (1 No. each at Almora, Ranikhet & Pithoragarh)		
7-	Water Mist . Fire Extinguisher : Gross Weight – 23.9 kg., Weight of the empty fire fighting system without compressed air bottle and bottle valve- 14.9 kg., Can Height – 560 MM, Diameter – 204MM, Weight of the gun- 1.9kg, Nominal charge- 9 Ltr., Recoil – approx. 10N, Extinguishing Media Flow – 0.23 L/ sec, Water Discharge Hose – 13 MM, Discharge time minimum 25 Secs, Range minimum 10 Meters, Compressed Air to Gun – 10 MM, Applicable on Class A, B & Electrically started Fires, A Rating – 55A, B Rating – 233B, Compressed air bottle (volume/pressure) - 2L/300 bar, Operating pressure(dynamic)-approx 5.0 bar, Lancing distance of the extinguishing agent-in spray Approx. 7.0 m, in jet mode Approx, 12.0 m. Operation time- approx 40 sec, Extinguishing enhancement agent- Foam Additive, CE and ERDA approved, Sheet Metal Thickness– 1.5 MM, 9 Liter Capacity	3 Nos. (1 No. each at Almora, Ranikhet & Pithoragarh)		
8-	Green Water mist based Fire Extinguisher :, Stored pressure type, Mild steel body, Tamper-proof safety seal. Effective on Class-A, Class-B, Class-F and Electrically Started Fires, Built-in pressure gauge, Instalert, Uses distilled water, Gross Weight 12.15 Kg, Empty Weight 6.15 Kg, Can Height 615MM, Diameter 175 MM, Controllable discharge mechanism, Range minimum 2 Meters, Applicable on Class A,B,F & Electrically Started Fire, A Rating-8A, B Rating-34B and F Rating-40F, Can Construction : Deep drawn & CO Mig welded, Valve Construction : Forging & Machining, CE & ERDA approved, Sheet metal 2 thickness : 2.00 MM, Helium Leak Detection Tested, Discharge Time : Min. 13 Sec. Capacity 6 liters	6 Nos. (2 No. each at Almora, Ranikhet & Pithoragarh)		
	TOTAL :			

Terms & Conditions :-

- 1- Price F.O.R. :
- 2- Freight :
- 3- C.S.T./VAT :
- 4- Excise Duty :
- 5- Validity :
- 6- Delivery :
- 7- Terms of payment :
- 8- Rebate, if any :

**Chief Engineer (O&M)
Kumaon Zone, Haldwani.**

**Signature of Tenderer
With Seal**

**Technical Specifications for the procurement of Portable (Backpack) Water Mist + CAFS
Fire Fighting Systems, mounted on motorbikes.**

Sl. No.	Details	Specification	Certification
1	Technology	Low Pressure Water Mist & CAF System	CE/PESO/EN
2	Water + Foam Capacity	50 liters (As per EN 3-7 (European Standards))	
3	Liquid Bottle - construction	The Liquid bottle vessel made of Non Corrosive Stainless Steel SS316 sheet	
4	Trolley Mounted		
5	Liquid bottle - Working pressure	Less than 10 bars	
6	Liquid bottle - Testing pressure	3 times the working pressure (IS 15683)	
7	Air Bottle Capacity	6.0 liters/300 bar	
8	Air Bottle - construction	Mild Steel, Cylinder	
9	Air Bottle - Working pressure	300 bars	
10	Air Bottle - Bursting pressure	900 bars	
11	Testing pressure	450 bars	
12	Air Bottle - markings	1. Chief Controller of Explosives/model number/serial number / year of manufacture/Chief Controller of Explosives approved valve with built in pressure gauge 2. The serial number on the cylinder shall match with the certificate.	
13	Air Bottle - valve and pressure gauge	Chief Controller of Explosives and/EN (European Standards) approved valve and pressure gauge, respectively. (Shall be compatible with BA set cylinder)	
14	Air Bottle - Neck thread	M 18 x 1.5 (Female)	
15	Air Bottle - operation	Shall be able to operate easily while hand held as well as when used as back pack	
16	Air Bottle - propellant	Compressed normal air	
17	Air Bottle - certification	PESO (Petroleum and explosive safety organization)/ Chief Controller of Explosives - Nagpur	
18	Air Bottle - adaptor	M 18 x 1.5 (Male)	
19	Total weight - Empty Filled	Not more than 45 Kg Not more than 95 kg (Water Bottle filled & Air bottle 6L/ 300 bar air filled)	
20	Operating/Working pressure	Not more than 10 Bars	
21	Operating - temperature	Minimum 15 degree to maximum 70 degree Celsius	

22	Gun - construction	1. Dual phase GUN made out of Non corrosive Gun Metal with external plastic covering, smooth bore, atomizer chamber and mixing chamber. 2. The rating of the high pressure flexible tube shall be minimum 3 times the working pressure.
23	Gun - weight without hose	Between 1.5 to 2 Kg
24	Gun - working principle	1. Capable of producing Fine water mist with water particles between 100 to 200 microns + CAFS uniform stable foam bubbles. 2. Equipment which produces more uniform bubble retention on both vertical and horizontal surface is preferred.
25	Gun - recoil	Less than 15 Newton
26	Gun - Holder	Provisioning of Gun Holster in the Heat retardant back pack harness itself.
27	Nozzle Modes	Jet & Spray
28	Jet - Lancing Distance	10-12 Meters
29	Spray - Lancing Distance	5 - 7 meters
30	Discharge Duration	160 Seconds
31	Consumption of extinguishing agent	.31 Liters per second
32	Turn over time - Jet to spray	Less than a second (Instant turnover by just twisting the nozzle)
33	Water Bottle - filling cap	Shall be made of stainless steel with provision of safety valve.
34	Water Bottle - Pressure release mechanism to decompress the water bottle	Pressure release mechanism to decompress the water bottle shall be provided for fast refilling
35	Non corrosive Safety valve - Material	Brass or Stainless Steel. It shall be calibrated for 1.5 times the working pressure.
36	Non - return valve	1. A non return valve to be provided from output of the Air cylinder to the Water Bottle connecting air supply hose. 2. Reason: The Foam water is highly corrosive: There is a possibility that the water + foam mixture may get in the air cylinder in reverse direction once the system is used.
37	Device operation	Shall be suitable for both left and right hand operations

CE/PESO/EN

38	Fire extinction - suitability	Class - A Class – B Class - C Live Electrical fires - 1000 V as per EN 3-7/IS - 15683 (Tested for 36 kva)
39	Fire Rating Certificates:	Certificate from any International/ National (NABL accredited) Lab to be submitted.
40	Warranty	Not less than 1 Year
41	System Test : Electrical Test Certificate - With details of test methods	Certified by ERDA as per IS15683
42	Tool Kit	1. "O" rings each size 5 nos. 2. Allen key/flat or star screw driver 3. Monkey spanner 4. Measuring mug - 5 liters 5. Funnel - medium size
43	Documents	1. User manual, 2. Spare parts list, 3. Certificates

CE/PESO/EN