



Pakistan State Oil Company Limited

PSO House, Khayaban-e-Iqbal, Clifton, Karachi-75600, Pakistan
Telephone (021) 9203866-85 Fax (021) 9203796

PAGE

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RFQ No	OP-19994YP	
DATE	09.09.2026	

REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)

SAP No.6100018158

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

25.09.2026

BY
(Time)

Please quote your best price for all items of following specifications. Please read the instructions attached herewith Rs. _____ EARNEST MONEY %
PO/DD NO. _____

Title: Procurement of VHF for various PSO location.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
1	<u>Mobile station VHF</u> VHF Radio Sets (Walkie Talkie) at KTA Mandatory Requirement: a)#Equipment should be designed for intrinsically safe operation. b)#Should meet ingress protection IP 68 or latest standard and ETSI DMR/IDAS standard compliant as per PTA requirement. c)#PTA approved equipment. d)#Equipment should be UL <(>&<)> TIA approved for use in Hazardous location as per Division 1, Class I, II <(>&<)> III, Groups C,D,F,G; Division 2, class 1, Groups A,B,C,D, T3C. e)#Compliant with applicable Military Standards from MIL-STD 810C to 810G. f)#Offered digital walkie talkie sets with base stations should be compatible with existing analogue equipment(s) already being used by PSO. Operating Frequency: 136 # 174 MHz, or else as per PTA advised. Equipment Specification: G# Digital Handheld Portable Radio DMR Tier II <(>&<)> Tier III compliant; TIA-approved radio <(>&<)> battery; IP68 <(>&<)> MIL-STD-810H; Dual-mic adaptive noise suppression; Intelligent audio leveling; 95+ dB loud audio; Full-color front display; Bluetooth 5.x; Wi Fi 2.4/5 GHz; GNSS; AES 256 encryption; Minimum 1000 channels. weight of Radio (1KG) 1 Nos H # Standard Accessories TIA-approved battery; Standard antenna; Desktop charger with AC adapter; Belt clip; Operating manual. 1 Set	<u>Keamari Terminal</u>	<u>EA</u>	10		



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	Channel Spacing: 12.5 KHz / 20 KHz / 25 KHz Operating Channels: At least 500 or more as per original equipment manufacturer recommendation. Display: LCD/LED display of minimum 2.4inch. TFT or higher strength screen weight of radio 1 KG Vibrator: optional. Power Output: Max: 5 watt; Min: 1 watt desirable or as per original manufacturer recommendation. Desirable to have power efficient model. Operating Voltage: As per original manufacturer recommended. FM Modulation: 11KOF3E @ 12.5 KHz, 14KOF3E @ 20 KHz; 16KOF3E @ 25 KHz. Antenna: 50 Hum <(>&<)> Noise Reduction: -40 Db @ 12.5 KHz, -45Db @ 20/25 KHz. Audio Distortion Allowance: 3 % maximum. Conducted Spurious Emission: <(><<)> 57 dBm or as per manufacturer recommendation. Audio Response: +1 ~ -3 dB (TIA603D) or as per applicable standard. Operating Temperature: -30 0C to +60 0C or as per original manufacturer recommendation. Storage Temperature: -40 0C to +85 0C or as per original manufacturer recommendation. Voice Recording compatibility: optional. Software Configuration: Open with free life time latest version updates. Dispatch Control Monitoring System: Compatibility required. Bluetooth / GPS / WiFi connectivity: 1.#Blue tooth: version 4.0 or higher, class 2 (10 mtr minimum) 2.#Wifi: as per IEEE 802. 11b, 802. 11n and as per WPA, WPA-2 <(>&<)> WEP or latest 3.#GPS: Location update through GPS, GLONASS or latest specs. Battery: a) Intrinsically safe IP 68 or higher standard.					



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	b) Lithium Ion Battery of minimum 3200 Mah (or higher capacity battery acceptable). c) Battery fast charging option is desirable. Transmitter Requirement: 1.#Digital Modulation: 4FSK modulation, 12.5 KHz for data and voice. 2.#Protocol Standard: ETSI TS 102, 361-1,-2,-3 <(>&<)> GA/T1056, 57, 58 <(>&<)> 59. Radioactive Emissions (TIA603D) -36DBm<(><<)> 1GHz, -30dBm > 1GHz. 3.#Frequency Stability: +/-0.5 %. 4.#Adjacent Channel Power: 60 Db @ 12.5 KHz, 70Db @ 20/25KHz Receiver Requirement: 1.#Analogue Sensitivity: 0.14 µV or as per original manufacturer recommended. 2.#Digital Sensitivity: 0.14 µV or as per original manufacturer recommended. 3.#Intermodulation: 70 Db (TIA603D) 4.#Spurious Rejection: 70 Db (TIA603D) Warranty/After Sales Support: a)#Supplier will provide standard one year comprehensive warranty minimum. However, extended warranty is preferable. b)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. c)#Authorized distributorship/franchise/representative certificate is required from original equipment manufacturer. d)#Shall conform to all specifications, drawings, and descriptions furnished, specified, or adopted by PSO. e)#Shall be suitable and sufficient for their intended purpose.					



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	f)#Do not infringe the patent, copyright, or other intellectual property rights of any third party (except to the extent that such infringement arises solely as the result of a design furnished by PSO, provided that there was no non-infringing way for Vendor to implement such design). g)#Shall comply with the restrictions of the use of certain hazardous substances in electrical and electronic equipment and other obligations as set forth for Oil and Gas Industry. h)#Shall be free from any claim of any third party. i)#In case of any defects as described in subsections(a) through (e) above, PSO reserves the right, at its choice, demand that defects are remedied or goods free of defects are supplied. j)#PSO's inspection and / or acceptance of and / or payment for any goods or services shall not constitute a waiver by it of any warranties. k)#PSO's approval of any sample or acceptance of any goods shall not relieve Vendor from responsibility to deliver goods and perform services conforming to equipment specifications, descriptions and performance. l)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. m)#As per clause # (a) to (l) above, the supplier is required to provide free of cost periodic maintenance during the warranty period. Terms & Conditions:					



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	1.#The bidder must obtain all the relevant information e.g. distances to be covered for equipment coverage for any particular location before the bids documents preparation and before selecting the equipment to be offered to PSO. 2.#Prospective bidder will have to submit copy of authorized and valid dealership certificate issued by the original equipment manufacturer with the technical bids. Otherwise, a separate letter from the manufacturer will be required if the original manufacturer has authorized the bidder to participate in this particular tender by PSO. 3.#Supplier shall not be allowed to deviate or alter the terms <(>&<)> conditions once offered and once accepted in the form of purchase/service order or agreement from PSO's Procurement <(>&<)> Services Department. 4.#Contractor must have proven experience of performing similar jobs /supplies in reputed organizations in recent years. 5.#Unless otherwise specified in the general requirements, the Vendor shall provide and assume full responsibility for all services, equipment, transportation, installation equipment (if required) etc. For the performance, testing, start-up, and successful trouble-free running of the equipment during the warranty period. 6.#The supplier shall pay all fees and royalties and assume all costs					



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	associated with getting their equipment (VHF/base station sets) approved from regulatory body during the warranty period. However, PTA license to operate the equipment is the responsibility of PSO. 7.#All base stations and their corresponding VHF sets will be delivered at their respective locations where installation of base stations will be required. Rest VHF sets delivery is required at central stores, PSO Keamari Terminal B (Address and location may please be ascertained before making quotation). However, PSO reserves the right to advise the supplier to directly deliver the equipment (VHF sets only) to any particular location due to any unforeseen circumstances. 8.#The quoted rates must mention the base price, installation cost (for base station only) and applicable taxes separately. 9.#Supplier shall also be required to submit the certificate from FBR in case they are exempted from deduction of income tax/sales tax. 10.#Payment shall be made on the basis of actual quantity received and accepted. 11.#Solution provider will be liable for all manufacturing defects in the equipment, as all consignment will subject to the inspection at concerned staff at either at central stores, Keamari Terminal B or at Operation location upon					



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	receipt. 12.#Part payment against part delivery is allowed. 13.#Supplier must attach Mill test report/ factory test report by manufacturer with the technical bids. 14.#PSO reserves the right to extend the time period of the purchase order for another 06 months in case the delivery time period in extended for any operational reason by PSO. 15.#Maximum One month mobilization time will be given to the supplier after issuance of LOI / Service order, whichever is issued first, to make necessary arrangement for delivery of equipment at central stores-KTA. 16.#PSO reserves the right to review its contract award decision for cancelation if the contractor fails to start the job after one month mobilization time, as per above clause. In such case, PSO reserves the right to award the contract to second lowest bidder and supplier will have no objection/reservation, whatsoever, in this regard. 17.#All bidders will arrange physical demonstration of the equipment at the location advised by PSO concerned officer during the technical review of the bid documents. 18.#Selected bidder will arrange operation and routine maintenance training of the PSO staff at major cities (KHI/LHR/ISB) during the warranty period					



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2	and after the equipments have been delivered at all locations. 19. # Vendor responsible for extracting frequencies from existing devices if not provided by PSO. 20. Any damage occurring during transportation, import, or handling shall be the sole responsibility of the vendor and will be borne at the vendor's expense. 21. # The vendor will provide equipment within 240 days after issuance of Purchase order, 22. a. Penalty Rate: A penalty at the rate of 0.1% of the total value of the undelivered quantity per day of delay shall be levied, subject to a maximum of 10 % of the value of the work order. b. Calculation: Penalty = (Value of Undelivered Quantity) × (Penalty Rate per day) × Number of days delayed). <u>Mobile station VHF</u> VHF Radio Sets (Walkie Talkie) at KTC Mandatory Requirement: a)#Equipment should be designed for intrinsically safe operation. b)#Should meet ingress protection IP 68 or latest standard and ETSI DMR/IDAS standard compliant as per PTA requirement. c)#PTA approved equipment. d)#Equipment should be UL <(>&<)> TIA approved for use in Hazardous	<u>Keamari Terminal</u>	<u>EA</u>	6		



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	manufacturer recommendation. Desirable to have power efficient model. Operating Voltage: As per original manufacturer recommended. FM Modulation: 11KOF3E @ 12.5 KHz, 14KOF3E @ 20 KHz; 16KOF3E @ 25 KHz. Antenna: 50 Hum <(>&<)> Noise Reduction: -40 Db @ 12.5 KHz, -45Db @ 20/25 KHz. Audio Distortion Allowance: 3 % maximum. Conducted Spurious Emission: <(><<)> 57 dBm or as per manufacturer recommendation. Audio Response: +1 ~ -3 dB (TIA603D) or as per applicable standard. Operating Temperature: -30 0C to +60 0C or as per original manufacturer recommendation. Storage Temperature: -40 0C to +85 0C or as per original manufacturer recommendation. Voice Recording compatibility: optional. Software Configuration: Open with free life time latest version updates. Dispatch Control Monitoring System: Compatibility required. Bluetooth / GPS / WiFi connectivity: 1.#Blue tooth: version 4.0 or higher, class 2 (10 mtr minimum) 2.#Wifi: as per IEEE 802. 11b, 802. 11n and as per WPA, WPA-2 <(>&<)> WEP or latest 3.#GPS: Location update through GPS, GLONASS or latest specs. Battery: a) Intrinsically safe IP 68 or higher standard. b) Lithium Ion Battery of minimum 3200 Mah (or higher capacity battery acceptable). c) Battery fast charging option is desirable. Transmitter Requirement: 1.#Digital Modulation: 4FSK modulation, 12.5 KHz for data and voice. 2.#Protocol Standard: ETSI TS 102, 361-1,-2,-3 <(>&<)> GA/T1056, 57, 58 <(>&<)> 59. Radioactive Emissions (TIA603D) -36DBm<(><<)> 1GHz, -30dBm > 1GHz. 3.#Frequency Stability: +/-0.5 %. 4.#Adjacent Channel Power: 60 Db @ 12.5 KHz, 70Db @ 20/25KHz					



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	Receiver Requirement: 1.#Analogue Sensitivity: 0.14 μV or as per original manufacturer recommended. 2.#Digital Sensitivity: 0.14 μV or as per original manufacturer recommended. 3.#Intermodulation: 70 Db (TIA603D) 4.#Spurious Rejection: 70 Db (TIA603D) Warranty/After Sales Support: a)#Supplier will provide standard one year comprehensive warranty minimum. However, extended warranty is preferable. b)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. c)#Authorized distributorship/franchise/representative certificate is required from original equipment manufacturer. d)#Shall conform to all specifications, drawings, and descriptions furnished, specified, or adopted by PSO. e)#Shall be suitable and sufficient for their intended purpose. f)#Do not infringe the patent, copyright, or other intellectual property rights of any third party (except to the extent that such infringement arises solely as the result of a design furnished by PSO, provided that there was no non-infringing way for Vendor to implement such design). g)#Shall comply with the restrictions of the use of certain hazardous substances in electrical and electronic equipment and other obligations as set forth for Oil and Gas Industry.					



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	h)#Shall be free from any claim of any third party. i)#In case of any defects as described in subsections(a) through (e) above, PSO reserves the right, at its choice, demand that defects are remedied or goods free of defects are supplied. j)#PSO#s inspection and / or acceptance of and / or payment for any goods or services shall not constitute a waiver by it of any warranties. k)#PSO#s approval of any sample or acceptance of any goods shall not relieve Vendor from responsibility to deliver goods and perform services conforming to equipment specifications, descriptions and performance. l)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. m)#As per clause # (a) to (l) above, the supplier is required to provide free of cost periodic maintenance during the warranty period. Terms <(>&<)> Conditions: 1.#The bidder must obtain all the relevant information e.g. distances to be covered for equipment coverage for any particular location before the bids documents preparation and before selecting the equipment to be offered to PSO. 2.#Prospective bidder will have to submit copy of authorized and valid dealership certificate issued by the original equipment manufacturer with the technical bids. Otherwise, a separate letter from the manufacturer will					



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	operational reason by PSO.					
	15.#Maximum One month mobilization time will be given to the supplier after issuance of LOI / Service order, whichever is issued first, to make necessary arrangement for delivery of equipment at central stores-KTC.					
	16.#PSO reserves the right to review its contract award decision for cancelation if the contractor fails to start the job after one month mobilization time, as per above clause. In such case, PSO reserves the right to award the contract to second lowest bidder and supplier will have no objection/reservation, whatsoever, in this regard.					
	17.#All bidders will arrange physical demonstration of the equipment at the location advised by PSO concerned officer during the technical review of the bid documents.					
	18.#Selected bidder will arrange operation and routine maintenance training of the PSO staff at major cities (KHI/LHR/ISB) during the warranty period and after the equipments have been delivered at all locations.					
	19. # Vendor responsible for extracting frequencies from existing devices if not provided by PSO.					
	20. Any damage occurring during transportation, import, or handling shall be the sole responsibility of the vendor and will be borne at the vendor's					



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Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

25.09.2026

BY
(Time)

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Title: Procurement of VHF for various PSO location.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
3	expense. 21. # The vendor will provide equipment within 240 days after issuance of Purchase order, 22. a. Penalty Rate: A penalty at the rate of 0.1% of the total value of the undelivered quantity per day of delay shall be levied, subject to a maximum of 10 % of the value of the work order. b. Calculation: Penalty = (Value of Undelivered Quantity) × (Penalty Rate per day) × Number of days delayed). <u>Mobile station VHF</u> VHF Radio Sets (Walkie Talkie) at ZOT <u>Zot (Inst.)</u> <u>EA</u> Mandatory Requirement: a)#Equipment should be designed for intrinsically safe operation. b)#Should meet ingress protection IP 68 or latest standard and ETSI DMR/IDAS standard compliant as per PTA requirement. c)#PTA approved equipment. d)#Equipment should be UL <(>&<)> TIA approved for use in Hazardous location as per Division 1, Class I, II <(>&<)> III, Groups C,D,F,G; Division 2, class 1, Groups A,B,C,D, T3C. e)#Compliant with applicable Military Standards from MIL-STD 810C to 810G. f)#Offered digital walkie talkie sets with base stations should be compatible with existing analogue equipment(s) already being used by PSO. Operating Frequency: 136 # 174 MHz, or else as per PTA advised. Equipment Specification: G# Digital Handheld Portable Radio DMR Tier II <(>&<)> Tier III			12		



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	compliant; TIA-approved radio <(>&<)> battery; IP68 <(>&<)> MIL-STD-810H; Dual-mic adaptive noise suppression; Intelligent audio leveling; 95+ dB loud audio; Full-color front display; Bluetooth 5.x; Wi Fi 2.4/5 GHz; GNSS; AES 256 encryption; Minimum 1000 channels. weight of Radio (1KG) 1 Nos H # Standard Accessories TIA-approved battery; Standard antenna; Desktop charger with AC adapter; Belt clip; Operating manual. 1 Set ----- Channel Spacing: 12.5 KHz / 20 KHz / 25 KHz Operating Channels: At least 500 or more as per original equipment manufacturer recommendation. Display: LCD/LED display of minimum 2.4inch. TFT or higher strength screen weight of radio 1 KG Vibrator: optional. Power Output: Max: 5 watt; Min: 1 watt desirable or as per original manufacturer recommendation. Desirable to have power efficient model. Operating Voltage: As per original manufacturer recommended. FM Modulation: 11KOF3E @ 12.5 KHz, 14KOF3E @ 20 KHz; 16KOF3E @ 25 KHz. Antenna: 50 Hum <(>&<)> Noise Reduction: -40 Db @ 12.5 KHz, -45Db @ 20/25 KHz. Audio Distortion Allowance: 3 % maximum. Conducted Spurious Emission: <(><<)> 57 dBm or as per manufacturer recommendation. Audio Response: +1 ~ -3 dB (TIA603D) or as per applicable standard. Operating Temperature: -30 0C to +60 0C or as per original manufacturer recommendation. Storage Temperature: -40 0C to +85 0C or as per original manufacturer					



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Title: Procurement of VHF for various PSO location.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	recommendation. Voice Recording compatibility: optional. Software Configuration: Open with free life time latest version updates. Dispatch Control Monitoring System: Compatibility required. Bluetooth / GPS / WiFi connectivity: 1.#Blue tooth: version 4.0 or higher, class 2 (10 mtr minimum) 2.#Wifi: as per IEEE 802. 11b, 802. 11n and as per WPA, WPA-2 <(>&<)> WEP or latest 3.#GPS: Location update through GPS, GLONASS or latest specs. Battery: a) Intrinsically safe IP 68 or higher standard. b) Lithium Ion Battery of minimum 3200 Mah (or higher capacity battery acceptable). c) Battery fast charging option is desirable. Transmitter Requirement: 1.#Digital Modulation: 4FSK modulation, 12.5 Khz for data and voice. 2.#Protocol Standard: ETSI TS 102, 361-1,-2,-3 <(>&<)> GA/T1056, 57, 58 <(>&<)> 59. Radioactive Emissions (TIA603D) -36DBm<(>&<)> 1GHz, -30dBm > 1GHz. 3.#Frequency Stability: +/-0.5 %. 4.#Adjacent Channel Power: 60 Db @ 12.5 KHz, 70Db @ 20/25KHz Receiver Requirement: 1.#Analogue Sensitivity: 0.14 µV or as per original manufacturer recommended. 2.#Digital Sensitivity: 0.14 µV or as per original manufacturer recommended. 3.#Intermodulation: 70 Db (TIA603D) 4.#Spurious Rejection: 70 Db (TIA603D) Warranty/After Sales Support: a)#Supplier will provide standard one year comprehensive warranty					



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	minimum. However, extended warranty is preferable. b)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. c)#Authorized distributorship/franchise/representative certificate is required from original equipment manufacturer. d)#Shall conform to all specifications, drawings, and descriptions furnished, specified, or adopted by PSO. e)#Shall be suitable and sufficient for their intended purpose. f)#Do not infringe the patent, copyright, or other intellectual property rights of any third party (except to the extent that such infringement arises solely as the result of a design furnished by PSO, provided that there was no non-infringing way for Vendor to implement such design). g)#Shall comply with the restrictions of the use of certain hazardous substances in electrical and electronic equipment and other obligations as set forth for Oil and Gas Industry. h)#Shall be free from any claim of any third party. i)#In case of any defects as described in subsections(a) through (e) above, PSO reserves the right, at its choice, demand that defects are remedied or goods free of defects are supplied. j)#PSO's inspection and / or acceptance of and / or payment for any goods or services shall not constitute a waiver by it of any warranties. k)#PSO's approval of any sample or acceptance of any goods shall not relieve Vendor from responsibility to deliver goods and perform services					



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	conforming to equipment specifications, descriptions and performance. l)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. m)#As per clause # (a) to (l) above, the supplier is required to provide free of cost periodic maintenance during the warranty period. Terms <(>&<)> Conditions: 1.#The bidder must obtain all the relevant information e.g. distances to be covered for equipment coverage for any particular location before the bids documents preparation and before selecting the equipment to be offered to PSO. 2.#Prospective bidder will have to submit copy of authorized and valid dealership certificate issued by the original equipment manufacturer with the technical bids. Otherwise, a separate letter from the manufacturer will be required if the original manufacturer has authorized the bidder to participate in this particular tender by PSO. 3.#Supplier shall not be allowed to deviate or alter the terms <(>&<)> conditions once offered and once accepted in the form of purchase/service order or agreement from PSO's Procurement <(>&<)> Services Department. 4.#Contractor must have proven experience of performing similar jobs /supplies					



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	in reputed organizations in recent years. 5.#Unless otherwise specified in the general requirements, the Vendor shall provide and assume full responsibility for all services, equipment, transportation, installation equipment (if required) etc. For the performance, testing, start-up, and successful trouble-free running of the equipment during the warranty period. 6.#The supplier shall pay all fees and royalties and assume all costs associated with getting their equipment (VHF/base station sets) approved from regulatory body during the warranty period. However, PTA license to operate the equipment is the responsibility of PSO. 7.#All base stations and their corresponding VHF sets will be delivered at their respective locations where installation of base stations will be required. Rest VHF sets delivery is required at central stores, PSO Keamari Terminal B (Address and location may please be ascertained before making quotation). However, PSO reserves the right to advise the supplier to directly deliver the equipment (VHF sets only) to any particular location due to any unforeseen circumstances. 8.#The quoted rates must mention the base price, installation cost (for base station only) and applicable taxes separately. 9.#Supplier shall also be required to submit the certificate from FBR in					



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	case they are exempted from deduction of income tax/sales tax. 10.#Payment shall be made on the basis of actual quantity received and accepted. 11.#Solution provider will be liable for all manufacturing defects in the equipment, as all consignment will subject to the inspection at concerned staff at either at central stores, Keamari Terminal B or at Operation location upon receipt. 12.#Part payment against part delivery is allowed. 13.#Supplier must attach Mill test report/ factory test report by manufacturer with the technical bids. 14.#PSO reserves the right to extend the time period of the purchase order for another 06 months in case the delivery time period in extended for any operational reason by PSO. 15.#Maximum One month mobilization time will be given to the supplier after issuance of LOI / Service order, whichever is issued first, to make necessary arrangement for delivery of equipment at central stores-ZOT. 16.#PSO reserves the right to review its contract award decision for cancelation if the contractor fails to start the job after one month mobilization time, as per above clause. In such case, PSO reserves the right to					



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	award the contract to second lowest bidder and supplier will have no objection/reservation, whatsoever, in this regard. 17.#All bidders will arrange physical demonstration of the equipment at the location advised by PSO concerned officer during the technical review of the bid documents. 18.#Selected bidder will arrange operation and routine maintenance training of the PSO staff at major cities (KHI/LHR/ISB) during the warranty period and after the equipments have been delivered at all locations. 19. # Vendor responsible for extracting frequencies from existing devices if not provided by PSO. 20. Any damage occurring during transportation, import, or handling shall be the sole responsibility of the vendor and will be borne at the vendor's expense. 21. # The vendor will provide equipment within 240 days after issuance of Purchase order, 22. a. Penalty Rate: A penalty at the rate of 0.1% of the total value of the undelivered quantity per day of delay shall be levied, subject to a maximum of 10 % of the value of the work order. b. Calculation: Penalty = (Value of Undelivered Quantity) × (Penalty Rate per day) × Number of days delayed).					



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4	<u>Mobile station VHF</u> VHF Radio Sets (Walkie Talkie) at Daulatpur Mandatory Requirement: a)#Equipment should be designed for intrinsically safe operation. b)#Should meet ingress protection IP 68 or latest standard and ETSI DMR/IDAS standard compliant as per PTA requirement. c)#PTA approved equipment. d)#Equipment should be UL <(>&<)> TIA approved for use in Hazardous location as per Division 1, Class I, II <(>&<)> III, Groups C,D,F,G; Division 2, class 1, Groups A,B,C,D, T3C. e)#Compliant with applicable Military Standards from MIL-STD 810C to 810G. f)#Offered digital walkie talkie sets with base stations should be compatible with existing analogue equipment(s) already being used by PSO. Operating Frequency: 136 # 174 MHz, or else as per PTA advised. Equipment Specification: G# Digital Handheld Portable Radio DMR Tier II <(>&<)> Tier III compliant; TIA-approved radio <(>&<)> battery; IP68 <(>&<)> MIL-STD-810H; Dual-mic adaptive noise suppression; Intelligent audio leveling; 95+ dB loud audio; Full-color front display; Bluetooth 5.x; Wi Fi 2.4/5 GHz; GNSS; AES 256 encryption; Minimum 1000 channels. weight of Radio (1KG) 1 Nos H # Standard Accessories TIA-approved battery; Standard antenna; Desktop charger with AC adapter; Belt clip; Operating manual. 1 Set	<u>Daulatpur (Depot)</u>	<u>EA</u>	4		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	Channel Spacing: 12.5 KHz / 20 KHz / 25 KHz Operating Channels: At least 500 or more as per original equipment manufacturer recommendation. Display: LCD/LED display of minimum 2.4inch. TFT or higher strength screen weight of radio 1 KG Vibrator: optional. Power Output: Max: 5 watt; Min: 1 watt desirable or as per original manufacturer recommendation. Desirable to have power efficient model. Operating Voltage: As per original manufacturer recommended. FM Modulation: 11KOF3E @ 12.5 KHz, 14KOF3E @ 20 KHz; 16KOF3E @ 25 KHz. Antenna: 50 Hum <(>&<)> Noise Reduction: -40 Db @ 12.5 KHz, -45Db @ 20/25 KHz. Audio Distortion Allowance: 3 % maximum. Conducted Spurious Emission: <(><<)> 57 dBm or as per manufacturer recommendation. Audio Response: +1 ~ -3 dB (TIA603D) or as per applicable standard. Operating Temperature: -30 0C to +60 0C or as per original manufacturer recommendation. Storage Temperature: -40 0C to +85 0C or as per original manufacturer recommendation. Voice Recording compatibility: optional. Software Configuration: Open with free life time latest version updates. Dispatch Control Monitoring System: Compatibility required. Bluetooth / GPS / WiFi connectivity: 1.#Blue tooth: version 4.0 or higher, class 2 (10 mtr minimum) 2.#Wifi: as per IEEE 802. 11b, 802. 11n and as per WPA, WPA-2 <(>&<)> WEP or latest 3.#GPS: Location update through GPS, GLONASS or latest specs. Battery: a) Intrinsically safe IP 68 or higher standard.					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	b) Lithium Ion Battery of minimum 3200 Mah (or higher capacity battery acceptable). c) Battery fast charging option is desirable. Transmitter Requirement: 1.#Digital Modulation: 4FSK modulation, 12.5 Khz for data and voice. 2.#Protocol Standard: ETSI TS 102, 361-1,-2,-3 <(>&<)> GA/T1056, 57, 58 <(>&<)> 59. Radioactive Emissions (TIA603D) -36DBm<(><<)> 1GHz, -30dBm > 1GHz. 3.#Frequency Stability: +/-0.5 %. 4.#Adjacent Channel Power: 60 Db @ 12.5 KHz, 70Db @ 20/25KHz Receiver Requirement: 1.#Analogue Sensitivity: 0.14 µV or as per original manufacturer recommended. 2.#Digital Sensitivity: 0.14 µV or as per original manufacturer recommended. 3.#Intermodulation: 70 Db (TIA603D) 4.#Spurious Rejection: 70 Db (TIA603D) Warranty/After Sales Support: a)#Supplier will provide standard one year comprehensive warranty minimum. However, extended warranty is preferable. b)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. c)#Authorized distributorship/franchise/representative certificate is required from original equipment manufacturer. d)#Shall conform to all specifications, drawings, and descriptions furnished, specified, or adopted by PSO. e)#Shall be suitable and sufficient for their intended purpose.					



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	f)#Do not infringe the patent, copyright, or other intellectual property rights of any third party (except to the extent that such infringement arises solely as the result of a design furnished by PSO, provided that there was no non-infringing way for Vendor to implement such design). g)#Shall comply with the restrictions of the use of certain hazardous substances in electrical and electronic equipment and other obligations as set forth for Oil and Gas Industry. h)#Shall be free from any claim of any third party. i)#In case of any defects as described in subsections(a) through (e) above, PSO reserves the right, at its choice, demand that defects are remedied or goods free of defects are supplied. j)#PSO's inspection and / or acceptance of and / or payment for any goods or services shall not constitute a waiver by it of any warranties. k)#PSO's approval of any sample or acceptance of any goods shall not relieve Vendor from responsibility to deliver goods and perform services conforming to equipment specifications, descriptions and performance. l)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. m)#As per clause # (a) to (l) above, the supplier is required to provide free of cost periodic maintenance during the warranty period. Terms <(>&<)> Conditions:					



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	1.#The bidder must obtain all the relevant information e.g. distances to be covered for equipment coverage for any particular location before the bids documents preparation and before selecting the equipment to be offered to PSO. 2.#Prospective bidder will have to submit copy of authorized and valid dealership certificate issued by the original equipment manufacturer with the technical bids. Otherwise, a separate letter from the manufacturer will be required if the original manufacturer has authorized the bidder to participate in this particular tender by PSO. 3.#Supplier shall not be allowed to deviate or alter the terms <(>&<)> conditions once offered and once accepted in the form of purchase/service order or agreement from PSO's Procurement <(>&<)> Services Department. 4.#Contractor must have proven experience of performing similar jobs /supplies in reputed organizations in recent years. 5.#Unless otherwise specified in the general requirements, the Vendor shall provide and assume full responsibility for all services, equipment, transportation, installation equipment (if required) etc. For the performance, testing, start-up, and successful trouble-free running of the equipment during the warranty period. 6.#The supplier shall pay all fees and royalties and assume all costs					



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	associated with getting their equipment (VHF/base station sets) approved from regulatory body during the warranty period. However, PTA license to operate the equipment is the responsibility of PSO. 7.#All base stations and their corresponding VHF sets will be delivered at their respective locations where installation of base stations will be required. Rest VHF sets delivery is required at central stores, PSO Keamari Terminal B (Address and location may please be ascertained before making quotation). However, PSO reserves the right to advise the supplier to directly deliver the equipment (VHF sets only) to any particular location due to any unforeseen circumstances. 8.#The quoted rates must mention the base price, installation cost (for base station only) and applicable taxes separately. 9.#Supplier shall also be required to submit the certificate from FBR in case they are exempted from deduction of income tax/sales tax. 10.#Payment shall be made on the basis of actual quantity received and accepted. 11.#Solution provider will be liable for all manufacturing defects in the equipment, as all consignment will subject to the inspection at concerned staff at either at central stores, Keamari Terminal B or at Operation location upon					



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REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)

SAP No.6100018158

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

25.09.2026

BY
(Time)

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	receipt. 12.#Part payment against part delivery is allowed. 13.#Supplier must attach Mill test report/ factory test report by manufacturer with the technical bids. 14.#PSO reserves the right to extend the time period of the purchase order for another 06 months in case the delivery time period in extended for any operational reason by PSO. 15.#Maximum One month mobilization time will be given to the supplier after issuance of LOI / Service order, whichever is issued first, to make necessary arrangement for delivery of equipment at central stores- Daulatpur. 16.#PSO reserves the right to review its contract award decision for cancelation if the contractor fails to start the job after one month mobilization time, as per above clause. In such case, PSO reserves the right to award the contract to second lowest bidder and supplier will have no objection/reservation, whatsoever, in this regard. 17.#All bidders will arrange physical demonstration of the equipment at the location advised by PSO concerned officer during the technical review of the bid documents. 18.#Selected bidder will arrange operation and routine maintenance training of the PSO staff at major cities (KHI/LHR/ISB) during the warranty period and					



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5	after the equipments have been delivered at all locations. 19. # Vendor responsible for extracting frequencies from existing devices if not provided by PSO. 20. Any damage occurring during transportation, import, or handling shall be the sole responsibility of the vendor and will be borne at the vendor's expense. 21. # The vendor will provide equipment within 240 days after issuance of Purchase order, 22. a. Penalty Rate: A penalty at the rate of 0.1% of the total value of the undelivered quantity per day of delay shall be levied, subject to a maximum of 10 % of the value of the work order. b. Calculation: Penalty = (Value of Undelivered Quantity) × (Penalty Rate per day) × Number of days delayed). <u>Mobile station VHF</u> VHF Radio Sets (Walkie Talkie) at Chakpirana Mandatory Requirement: a)#Equipment should be designed for intrinsically safe operation. b)#Should meet ingress protection IP 68 or latest standard and ETSI DMR/IDAS standard compliant as per PTA requirement. c)#PTA approved equipment. d)#Equipment should be UL <(>&<)> TIA approved for use in Hazardous location as per Division 1, Class I, II <(>&<)> III, Groups C,D,F,G; Division 2, class	<u>Chakpirana</u> <u>(Depot)</u>	<u>EA</u>	8		



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	1, Groups A,B,C,D, T3C. e)#Compliant with applicable Military Standards from MIL-STD 810C to 810G. f)#Offered digital walkie talkie sets with base stations should be compatible with existing analogue equipment(s) already being used by PSO. Operating Frequency: 136 # 174 MHz, or else as per PTA advised. Equipment Specification: G# Digital Handheld Portable Radio DMR Tier II <(>&<)> Tier III compliant; TIA-approved radio <(>&<)> battery; IP68 <(>&<)> MIL-STD-810H; Dual-mic adaptive noise suppression; Intelligent audio leveling; 95+ dB loud audio; Full-color front display; Bluetooth 5.x; Wi Fi 2.4/5 GHz; GNSS; AES 256 encryption; Minimum 1000 channels. weight of Radio (1KG) 1 Nos H # Standard Accessories TIA-approved battery; Standard antenna; Desktop charger with AC adapter; Belt clip; Operating manual. 1 Set ----- Channel Spacing: 12.5 KHz / 20 KHz / 25 KHz Operating Channels: At least 500 or more as per original equipment manufacturer recommendation. Display: LCD/LED display of minimum 2.4inch. TFT or higher strength screen weight of radio 1 KG Vibrator: optional. Power Output: Max: 5 watt; Min: 1 watt desirable or as per original manufacturer recommendation. Desirable to have power efficient model. Operating Voltage: As per original manufacturer recommended.					



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Title: Procurement of VHF for various PSO location.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	FM Modulation: 11KOF3E @ 12.5 KHz, 14KOF3E @ 20 KHz; 16KOF3E @ 25 KHz. Antenna: 50 Hum <(>&<)> Noise Reduction: -40 Db @ 12.5 KHz, -45Db @ 20/25 KHz. Audio Distortion Allowance: 3 % maximum. Conducted Spurious Emission: <(><<)> 57 dBm or as per manufacturer recommendation. Audio Response: +1 ~ -3 dB (TIA603D) or as per applicable standard. Operating Temperature: -30 0C to +60 0C or as per original manufacturer recommendation. Storage Temperature: -40 0C to +85 0C or as per original manufacturer recommendation. Voice Recording compatibility: optional. Software Configuration: Open with free life time latest version updates. Dispatch Control Monitoring System: Compatibility required. Bluetooth / GPS / WiFi connectivity: 1.#Blue tooth: version 4.0 or higher, class 2 (10 mtr minimum) 2.#Wifi: as per IEEE 802. 11b, 802. 11n and as per WPA, WPA-2 <(>&<)> WEP or latest 3.#GPS: Location update through GPS, GLONASS or latest specs. Battery: a) Intrinsically safe IP 68 or higher standard. b) Lithium Ion Battery of minimum 3200 Mah (or higher capacity battery acceptable). c) Battery fast charging option is desirable. Transmitter Requirement: 1.#Digital Modulation: 4FSK modulation, 12.5 KHz for data and voice. 2.#Protocol Standard: ETSI TS 102, 361-1,-2,-3 <(>&<)> GA/T1056, 57, 58 <(>&<)> 59. Radioactive Emissions (TIA603D) -36DBm<(><<)> 1GHz, -30dBm > 1GHz. 3.#Frequency Stability: +/-0.5 %. 4.#Adjacent Channel Power: 60 Db @ 12.5 KHz, 70Db @ 20/25KHz Receiver Requirement:					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	1.#Analogue Sensitivity: 0.14 μV or as per original manufacturer recommended. 2.#Digital Sensitivity: 0.14 μV or as per original manufacturer recommended. 3.#Intermodulation: 70 Db (TIA603D) 4.#Spurious Rejection: 70 Db (TIA603D) Warranty/After Sales Support: a)#Supplier will provide standard one year comprehensive warranty minimum. However, extended warranty is preferable. b)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. c)#Authorized distributorship/franchise/representative certificate is required from original equipment manufacturer. d)#Shall conform to all specifications, drawings, and descriptions furnished, specified, or adopted by PSO. e)#Shall be suitable and sufficient for their intended purpose. f)#Do not infringe the patent, copyright, or other intellectual property rights of any third party (except to the extent that such infringement arises solely as the result of a design furnished by PSO, provided that there was no non-infringing way for Vendor to implement such design). g)#Shall comply with the restrictions of the use of certain hazardous substances in electrical and electronic equipment and other obligations as set forth for Oil and Gas Industry. h)#Shall be free from any claim of any third party. i)#In case of any defects as described in subsections(a) through (e)					



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	above, PSO reserves the right, at its choice, demand that defects are remedied or goods free of defects are supplied. j)#PSO#s inspection and / or acceptance of and / or payment for any goods or services shall not constitute a waiver by it of any warranties. k)#PSO#s approval of any sample or acceptance of any goods shall not relieve Vendor from responsibility to deliver goods and perform services conforming to equipment specifications, descriptions and performance. l)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. m)#As per clause # (a) to (l) above, the supplier is required to provide free of cost periodic maintenance during the warranty period. Terms <(>&<)> Conditions: 1.#The bidder must obtain all the relevant information e.g. distances to be covered for equipment coverage for any particular location before the bids documents preparation and before selecting the equipment to be offered to PSO. 2.#Prospective bidder will have to submit copy of authorized and valid dealership certificate issued by the original equipment manufacturer with the technical bids. Otherwise, a separate letter from the manufacturer will be required if the original manufacturer has authorized the bidder to					



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	participate in this particular tender by PSO. 3.#Supplier shall not be allowed to deviate or alter the terms <(>&<)> conditions once offered and once accepted in the form of purchase/service order or agreement from PSO's Procurement <(>&<)> Services Department. 4.#Contractor must have proven experience of performing similar jobs /supplies in reputed organizations in recent years. 5.#Unless otherwise specified in the general requirements, the Vendor shall provide and assume full responsibility for all services, equipment, transportation, installation equipment (if required) etc. For the performance, testing, start-up, and successful trouble-free running of the equipment during the warranty period. 6.#The supplier shall pay all fees and royalties and assume all costs associated with getting their equipment (VHF/base station sets) approved from regulatory body during the warranty period. However, PTA license to operate the equipment is the responsibility of PSO. 7.#All base stations and their corresponding VHF sets will be delivered at their respective locations where installation of base stations will be required. Rest VHF sets delivery is required at central stores, PSO Keamari Terminal B (Address and location may please be ascertained before making quotation). However, PSO reserves the right to advise the supplier to					



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	directly deliver the equipment (VHF sets only) to any particular location due to any unforeseen circumstances. 8.#The quoted rates must mention the base price, installation cost (for base station only) and applicable taxes separately. 9.#Supplier shall also be required to submit the certificate from FBR in case they are exempted from deduction of income tax/sales tax. 10.#Payment shall be made on the basis of actual quantity received and accepted. 11.#Solution provider will be liable for all manufacturing defects in the equipment, as all consignment will subject to the inspection at concerned staff at either at central stores, Keamari Terminal B or at Operation location upon receipt. 12.#Part payment against part delivery is allowed. 13.#Supplier must attach Mill test report/ factory test report by manufacturer with the technical bids. 14.#PSO reserves the right to extend the time period of the purchase order for another 06 months in case the delivery time period in extended for any operational reason by PSO.					



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	15.#Maximum One month mobilization time will be given to the supplier after issuance of LOI / Service order, whichever is issued first, to make necessary arrangement for delivery of equipment at central stores-Chakpirana. 16.#PSO reserves the right to review its contract award decision for cancelation if the contractor fails to start the job after one month mobilization time, as per above clause. In such case, PSO reserves the right to award the contract to second lowest bidder and supplier will have no objection/reservation, whatsoever, in this regard. 17.#All bidders will arrange physical demonstration of the equipment at the location advised by PSO concerned officer during the technical review of the bid documents. 18.#Selected bidder will arrange operation and routine maintenance training of the PSO staff at major cities (KHI/LHR/ISB) during the warranty period and after the equipments have been delivered at all locations. 19. # Vendor responsible for extracting frequencies from existing devices if not provided by PSO. 20. Any damage occurring during transportation, import, or handling shall be the sole responsibility of the vendor and will be borne at the vendor's expense.					



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6	21. # The vendor will provide equipment within 240 days after issuance of Purchase order, 22. a. Penalty Rate: A penalty at the rate of 0.1% of the total value of the undelivered quantity per day of delay shall be levied, subject to a maximum of 10 % of the value of the work order. b. Calculation: Penalty = (Value of Undelivered Quantity) × (Penalty Rate per day) × Number of days delayed). <u>Base Station VHF</u> VHF DMR Radio Base Stations at KTA Mandatory Requirement: a)#PTA approved equipment. b)#Should meet ingress protection IP 54 or higher standard and ETSI DMR/IDAS standard compliant. c)#Compliant with applicable Military Standards from MIL-STD 810C to 810 G. d)#Offered digital base stations should be compatible with existing analogue equipment(s) already being used by PSO. Equipment Specification: 3 Digital Base Station DMR Tier II <(>&<)> Tier III compliant; grade feature compatibility; 40#45W transmitter; Integrated GNSS; Bluetooth <(>&<)> Wi Fi; AES 256 encryption; IP54 minimum. 1 Nos 4 Standard Accessories Palm microphone; Power cable; Mounting bracket; Operating manual. 1 Set 5 Base Station Antenna Gain: 7.8 dBi; VSWR #1.5:1; Wind velocity #150	<u>Keamari Terminal</u>	<u>EA</u>	1		



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	km/h; Heavy-duty fiberglass/aluminum construction. 1 Nos 6 Low-Loss Coaxial Cable Length: 200 ft; Diameter: 1/2 inch (0.5"); Attenuation #3 dB/100 ft @450 MHz; Shielding #95%; UV-resistant outdoor jacket. 1 Roll 7 High-Quality RF Connectors 50-ohm impedance; Silver/nickel-plated brass; Low- loss; High-frequency rated. 2 Nos 8 Surge Protector Lightning protection #20 kA; Response time <(><<)>1 ns; Suitable for DMR band. 1 Nos 9 Regulated DC Power Supply 13.8V DC output; #25A continuous; Over-voltage <(>&<)> short-circuit protection. 1 Nos 10 UPS System 2 kVA Battery bank: 2KW minimum Lithium Battery 1 Nos ----- Operating Frequency: 136 # 174 MHz, or else as per PTA advised. Channel Spacing: 12.5 KHz / 20 KHz / 25 KHz Operating Channels: At least 500 or more as per original equipment manufacturer recommendation. Display: LCD/LED display of minimum 2.2 inch TFT or higher strength screen. Power Output: Max: 45 watt (Desirable to have power efficient model) Operating Voltage: 10 to 15.6 Volt +/-1 % or as per original manufacturer recommended. FM Modulation: 11KOF3E @ 12.5 KHz, 14KOF3E @ 20 KHz; 16KOF3E @ 25 KHz. Antenna: 50					



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	Hum <(>&<)> Noise Reduction: -40 Db @ 12.5 KHz, -45Db @ 20/25 KHz. Audio Distortion Allowance: 3 % maximum. Conducted Spurious Emission: <(><<)> 57 dBm. Audio Response: +1 ~ -3 dB (TIA603D) or as per applicable standard. Operating Temperature: -30 0C to +60 0C. Storage Temperature: -40 0C to +85 0C. Thermal Shock/Humidity: As per MIL. Standard. Emergency Shut Down (ESD): IEC 61000-4-2, Level 3. Voice Recording compatibility: optional. Software Configuration: Open API. Bluetooth / GPS / WiFi connectivity: a)#Blue tooth: version 2.1 or higher, class 2 (10 mtr minimum) or latest specs. b)#GPS: Location update through GPS, GLONASS or latest specs. Transmitter Requirement: a)#Digital Modulation: 4FSK modulation, 12.5 KHz for data and voice. b)#Protocol Standard: ETSI TS 102, 361-1,-2,-3. c)#Frequency Stability: +/-0.5 ppm. d)#Adjacent Channel Power: 60 Db @ 12.5 KHz, 70Db @ 20/25KHz Receiver Requirement: a)#Analogue Sensitivity: 0.19 µV or as per original manufacturer recommended. b)#Digital Sensitivity: 0.19 µV or as per original manufacturer recommended. c)#Intermodulation: 70 Db (TIA603D) or as per original manufacturer recommended. d)#Spurious Rejection: 70 Db (TIA603D) or as per original manufacturer recommended. Warranty/After Sales Support: a)#Supplier will provide standard one year comprehensive warranty minimum.					



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	However, extended warranty is preferable. b)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. c)#Authorized distributorship/franchise/representative certificate is required from original equipment manufacturer. d)#Shall conform to all specifications, drawings, and descriptions furnished, specified, or adopted by PSO. e)#Shall be suitable and sufficient for their intended purpose. f)#Do not infringe the patent, copyright, or other intellectual property rights of any third party (except to the extent that such infringement arises solely as the result of a design furnished by PSO, provided that there was no non-infringing way for Vendor to implement such design). g)#Shall comply with the restrictions of the use of certain hazardous substances in electrical and electronic equipment and other obligations as set forth for Oil and Gas Industry. h)#Shall be free from any claim of any third party. i)#In case of any defects as described in subsections(a) through (e) above, PSO reserves the right, at its choice, demand that defects are remedied or goods free of defects are supplied. j)#PSO#s inspection and / or acceptance of and / or payment for any goods or services shall not constitute a waiver by it of any warranties. k)#PSO#s approval of any sample or acceptance of any goods shall not relieve Vendor from responsibility to deliver goods and perform services conforming to					



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	equipment specifications, descriptions and performance. l)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. m)#As per clause # (a) to (l) above, the supplier is required to provide free of cost periodic maintenance during the warranty period. Terms <(>&<)> Conditions: 1.#The bidder must obtain all the relevant information e.g. distances to be covered for equipment coverage for any particular location before the bids documents preparation and before selecting the equipment to be offered to PSO. 2.#Prospective bidder will have to submit copy of authorized and valid dealership certificate issued by the original equipment manufacturer with the technical bids. Otherwise, a separate letter from the manufacturer will be required if the original manufacturer has authorized the bidder to participate in this particular tender by PSO. 3.#Supplier shall not be allowed to deviate or alter the terms <(>&<)> conditions once offered and once accepted in the form of purchase/service order or agreement from PSO's Procurement <(>&<)> Services Department. 4.#Contractor must have proven experience of performing similar jobs /supplies in reputed organizations in recent years.					



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REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)

SAP No.6100018158

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

25.09.2026

BY
(Time)

Please quote your best price for all items of following specifications. Please read the instructions attached herewith Rs. _____ EARNEST MONEY %
PO/DD NO. _____

Title: Procurement of VHF for various PSO location.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	5.#Unless otherwise specified in the general requirements, the Vendor shall provide and assume full responsibility for all services, equipment, transportation, installation equipment (if required) etc. For the performance, testing, start-up, and successful trouble-free running of the equipment during the warranty period. 6.#The supplier shall pay all fees and royalties and assume all costs associated with getting their equipment (VHF/base station sets) approved from regulatory body during the warranty period. However, PTA license to operate the equipment is the responsibility of PSO. 7.#All base stations and their corresponding VHF sets will be delivered at their respective locations where installation of base stations will be required. Rest VHF sets delivery is required at central stores, PSO Keamari Terminal B (Address and location may please be ascertained before making quotation). However, PSO reserves the right to advise the supplier to directly deliver the equipment (VHF sets only) to any particular location due to any unforeseen circumstances. 8.#The quoted rates must mention the base price, installation cost (for base station only) and applicable taxes separately. 9.#Supplier shall also be required to submit the certificate from FBR in case					



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Title: Procurement of VHF for various PSO location.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	they are exempted from deduction of income tax/sales tax. 10.#Payment shall be made on the basis of actual quantity received and accepted. 11.#Solution provider will be liable for all manufacturing defects in the equipment, as all consignment will subject to the inspection at concerned staff at either at central stores, Keamari Terminal B or at Operation location upon receipt. 12.#Part payment against part delivery is allowed. 13.#Supplier must attach Mill test report/ factory test report by manufacturer with the technical bids. 14.#PSO reserves the right to extend the time period of the purchase order for another 06 months in case the delivery time period in extended for any operational reason by PSO. 15.#Maximum One month mobilization time will be given to the supplier after issuance of LOI / Service order, whichever is issued first, to make necessary arrangement for delivery of equipment at central stores-KTA. 16.#PSO reserves the right to review its contract award decision for cancelation if the contractor fails to start the job after one month mobilization time, as per above clause. In such case, PSO reserves the right to award the contract to second lowest bidder and supplier will have no					



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Title: Procurement of VHF for various PSO location.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	objection/reservation, whatsoever, in this regard. 17.#All bidders will arrange physical demonstration of the equipment at the location advised by PSO concerned officer during the technical review of the bid documents. 18.#Selected bidder will arrange operation and routine maintenance training of the PSO staff at major cities (KHI/LHR/ISB) during the warranty period and after the equipments have been delivered at all locations. 19. # Vendor responsible for extracting frequencies from existing devices if not provided by PSO. 20. Any damage occurring during transportation, import, or handling shall be the sole responsibility of the vendor and will be borne at the vendor's expense. 21. # The vendor will provide equipment within 240 days after issuance of Purchase order, 22. a. Penalty Rate: A penalty at the rate of 0.1% of the total value of the undelivered quantity per day of delay shall be levied, subject to a maximum of 10 % of the value of the work order. b. Calculation: Penalty = (Value of Undelivered Quantity) × (Penalty Rate per day) × Number of days delayed).					



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Title: Procurement of VHF for various PSO location.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
7	<u>Base Station VHF</u> VHF DMR Radio Base Stations at KTC Mandatory Requirement: a)#PTA approved equipment. b)#Should meet ingress protection IP 54 or higher standard and ETSI DMR/IDAS standard compliant. c)#Compliant with applicable Military Standards from MIL-STD 810C to 810 G. d)#Offered digital base stations should be compatible with existing analogue equipment(s) already being used by PSO. Equipment Specification: 3 Digital Base Station DMR Tier II <(>&<)> Tier III compliant; grade feature compatibility; 40#45W transmitter; Integrated GNSS; Bluetooth <(>&<)> Wi Fi; AES 256 encryption; IP54 minimum. 1 Nos 4 Standard Accessories Palm microphone; Power cable; Mounting bracket; Operating manual. 1 Set 5 Base Station Antenna Gain: 7.8 dBi; VSWR #1.5:1; Wind velocity #150 km/h; Heavy-duty fiberglass/aluminum construction. 1 Nos 6 Low-Loss Coaxial Cable Length: 200 ft; Diameter: 1/2 inch (0.5"); Attenuation #3 dB/100 ft @450 MHz; Shielding #95%; UV-resistant outdoor jacket. 1 Roll 7 High-Quality RF Connectors 50-ohm impedance; Silver/nickel-plated brass; Low-loss; High-frequency rated. 2 Nos	<u>Keamari Terminal</u>	<u>EA</u>	1		



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Title: Procurement of VHF for various PSO location.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	8 Surge Protector Lightning protection #20 kA; Response time <(><<)>1 ns; Suitable for DMR band. 1 Nos 9 Regulated DC Power Supply 13.8V DC output; #25A continuous; Over-voltage <(>&<)> short-circuit protection. 1 Nos 10 UPS System 2 kVA Battery bank: 2KW minimum Lithium Battery 1 Nos ----- Operating Frequency: 136 # 174 MHz, or else as per PTA advised. Channel Spacing: 12.5 KHz / 20 KHz / 25 KHz Operating Channels: At least 500 or more as per original equipment manufacturer recommendation. Display: LCD/LED display of minimum 2.2 inch TFT or higher strength screen. Power Output: Max: 45 watt (Desirable to have power efficient model) Operating Voltage: 10 to 15.6 Volt +/-1 % or as per original manufacturer recommended. FM Modulation: 11KOF3E @ 12.5 KHz, 14KOF3E @ 20 KHz; 16KOF3E @ 25 KHz. Antenna: 50 Hum <(>&<)> Noise Reduction: -40 Db @ 12.5 KHz, -45Db @ 20/25 KHz. Audio Distortion Allowance: 3 % maximum. Conducted Spurious Emission: <(><<)> 57 dBm. Audio Response: +1 ~ -3 dB (TIA603D) or as per applicable standard. Operating Temperature: -30 0C to +60 0C. Storage Temperature: -40 0C to +85 0C. Thermal Shock/Humidity: As per MIL. Standard. Emergency Shut Down (ESD): IEC 61000-4-2, Level 3. Voice Recording compatibility: optional. Software Configuration: Open API. Bluetooth / GPS / WiFi connectivity:					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	a)#Blue tooth: version 2.1 or higher, class 2 (10 mtr minimum) or latest specs. b)#GPS: Location update through GPS, GLONASS or latest specs. Transmitter Requirement: a)#Digital Modulation: 4FSK modulation, 12.5 Khz for data and voice. b)#Protocol Standard: ETSI TS 102, 361-1,-2,-3. c)#Frequency Stability: +/-0.5 ppm. d)#Adjacent Channel Power: 60 Db @ 12.5 KHz, 70Db @ 20/25KHz Receiver Requirement: a)#Analogue Sensitivity: 0.19 µV or as per original manufacturer recommended. b)#Digital Sensitivity: 0.19 µV or as per original manufacturer recommended. c)#Intermodulation: 70 Db (TIA603D) or as per original manufacturer recommended. d)#Spurious Rejection: 70 Db (TIA603D) or as per original manufacturer recommended. Warranty/After Sales Support: a)#Supplier will provide standard one year comprehensive warranty minimum. However, extended warranty is preferable. b)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. c)#Authorized distributorship/franchise/representative certificate is required from original equipment manufacturer. d)#Shall conform to all specifications, drawings, and descriptions furnished, specified, or adopted by PSO. e)#Shall be suitable and sufficient for their intended purpose.					



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	f)#Do not infringe the patent, copyright, or other intellectual property rights of any third party (except to the extent that such infringement arises solely as the result of a design furnished by PSO, provided that there was no non-infringing way for Vendor to implement such design). g)#Shall comply with the restrictions of the use of certain hazardous substances in electrical and electronic equipment and other obligations as set forth for Oil and Gas Industry. h)#Shall be free from any claim of any third party. i)#In case of any defects as described in subsections(a) through (e) above, PSO reserves the right, at its choice, demand that defects are remedied or goods free of defects are supplied. j)#PSO's inspection and / or acceptance of and / or payment for any goods or services shall not constitute a waiver by it of any warranties. k)#PSO's approval of any sample or acceptance of any goods shall not relieve Vendor from responsibility to deliver goods and perform services conforming to equipment specifications, descriptions and performance. l)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. m)#As per clause # (a) to (l) above, the supplier is required to provide free of cost periodic maintenance during the warranty period. Terms <(>&<)> Conditions:					



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	1.#The bidder must obtain all the relevant information e.g. distances to be covered for equipment coverage for any particular location before the bids documents preparation and before selecting the equipment to be offered to PSO. 2.#Prospective bidder will have to submit copy of authorized and valid dealership certificate issued by the original equipment manufacturer with the technical bids. Otherwise, a separate letter from the manufacturer will be required if the original manufacturer has authorized the bidder to participate in this particular tender by PSO. 3.#Supplier shall not be allowed to deviate or alter the terms <(>&<)> conditions once offered and once accepted in the form of purchase/service order or agreement from PSO's Procurement <(>&<)> Services Department. 4.#Contractor must have proven experience of performing similar jobs /supplies in reputed organizations in recent years. 5.#Unless otherwise specified in the general requirements, the Vendor shall provide and assume full responsibility for all services, equipment, transportation, installation equipment (if required) etc. For the performance, testing, start-up, and successful trouble-free running of the equipment during the warranty period. 6.#The supplier shall pay all fees and royalties and assume all costs					



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	associated with getting their equipment (VHF/base station sets) approved from regulatory body during the warranty period. However, PTA license to operate the equipment is the responsibility of PSO. 7.#All base stations and their corresponding VHF sets will be delivered at their respective locations where installation of base stations will be required. Rest VHF sets delivery is required at central stores, PSO Keamari Terminal B (Address and location may please be ascertained before making quotation). However, PSO reserves the right to advise the supplier to directly deliver the equipment (VHF sets only) to any particular location due to any unforeseen circumstances. 8.#The quoted rates must mention the base price, installation cost (for base station only) and applicable taxes separately. 9.#Supplier shall also be required to submit the certificate from FBR in case they are exempted from deduction of income tax/sales tax. 10.#Payment shall be made on the basis of actual quantity received and accepted. 11.#Solution provider will be liable for all manufacturing defects in the equipment, as all consignment will subject to the inspection at concerned staff at either at central stores, Keamari Terminal B or at Operation location upon					



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	receipt. 12.#Part payment against part delivery is allowed. 13.#Supplier must attach Mill test report/ factory test report by manufacturer with the technical bids. 14.#PSO reserves the right to extend the time period of the purchase order for another 06 months in case the delivery time period in extended for any operational reason by PSO. 15.#Maximum One month mobilization time will be given to the supplier after issuance of LOI / Service order, whichever is issued first, to make necessary arrangement for delivery of equipment at central stores-KTC. 16.#PSO reserves the right to review its contract award decision for cancelation if the contractor fails to start the job after one month mobilization time, as per above clause. In such case, PSO reserves the right to award the contract to second lowest bidder and supplier will have no objection/reservation, whatsoever, in this regard. 17.#All bidders will arrange physical demonstration of the equipment at the location advised by PSO concerned officer during the technical review of the bid documents. 18.#Selected bidder will arrange operation and routine maintenance training of the PSO staff at major cities (KHI/LHR/ISB) during the warranty period					



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8	and after the equipments have been delivered at all locations. 19. # Vendor responsible for extracting frequencies from existing devices if not provided by PSO. 20. Any damage occurring during transportation, import, or handling shall be the sole responsibility of the vendor and will be borne at the vendor's expense. 21. # The vendor will provide equipment within 240 days after issuance of Purchase order, 22. a. Penalty Rate: A penalty at the rate of 0.1% of the total value of the undelivered quantity per day of delay shall be levied, subject to a maximum of 10 % of the value of the work order. b. Calculation: Penalty = (Value of Undelivered Quantity) × (Penalty Rate per day) × Number of days delayed). <u>Base Station VHF</u> VHF DMR Radio Base Stations at Daulatpur Mandatory Requirement: a)#PTA approved equipment. b)#Should meet ingress protection IP 54 or higher standard and ETSI DMR/IDAS standard compliant. c)#Compliant with applicable Military Standards from MIL-STD 810C to 810 G.	<u>Daulatpur</u> <u>(Depot)</u>	<u>EA</u>	1		



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	d)#Offered digital base stations should be compatible with existing analogue equipment(s) already being used by PSO. Equipment Specification: 3 Digital Base Station DMR Tier II <(>&<)> Tier III compliant; grade feature compatibility; 40#45W transmitter; Integrated GNSS; Bluetooth <(>&<)> Wi Fi; AES 256 encryption; IP54 minimum. 1 Nos 4 Standard Accessories Palm microphone; Power cable; Mounting bracket; Operating manual. 1 Set 5 Base Station Antenna Gain: 7.8 dBi; VSWR #1.5:1; Wind velocity #150 km/h; Heavy-duty fiberglass/aluminum construction. 1 Nos 6 Low-Loss Coaxial Cable Length: 200 ft; Diameter: 1/2 inch (0.5"); Attenuation #3 dB/100 ft @450 MHz; Shielding #95%; UV-resistant outdoor jacket. 1 Roll 7 High-Quality RF Connectors 50-ohm impedance; Silver/nickel-plated brass; Low-loss; High-frequency rated. 2 Nos 8 Surge Protector Lightning protection #20 kA; Response time <(><<)>1 ns; Suitable for DMR band. 1 Nos 9 Regulated DC Power Supply 13.8V DC output; #25A continuous; Over-voltage <(>&<)> short-circuit protection. 1 Nos 10 UPS System 2 kVA Battery bank: 2KW minimum Lithium Battery 1 Nos					



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	----- Operating Frequency: 136 # 174 MHz, or else as per PTA advised. Channel Spacing: 12.5 KHz / 20 KHz / 25 KHz Operating Channels: At least 500 or more as per original equipment manufacturer recommendation. Display: LCD/LED display of minimum 2.2 inch TFT or higher strength screen. Power Output: Max: 45 watt (Desirable to have power efficient model) Operating Voltage: 10 to 15.6 Volt +/- 1 % or as per original manufacturer recommended. FM Modulation: 11KOF3E @ 12.5 KHz, 14KOF3E @ 20 KHz; 16KOF3E @ 25 KHz. Antenna: 50 Hum <(>&<)> Noise Reduction: -40 Db @ 12.5 KHz, -45Db @ 20/25 KHz. Audio Distortion Allowance: 3 % maximum. Conducted Spurious Emission: <(><<)> 57 dBm. Audio Response: +1 ~ -3 dB (TIA603D) or as per applicable standard. Operating Temperature: -30 0C to +60 0C. Storage Temperature: -40 0C to +85 0C. Thermal Shock/Humidity: As per MIL. Standard. Emergency Shut Down (ESD): IEC 61000-4-2, Level 3. Voice Recording compatibility: optional. Software Configuration: Open API. Bluetooth / GPS / WiFi connectivity: a)#Blue tooth: version 2.1 or higher, class 2 (10 mtr minimum) or latest specs. b)#GPS: Location update through GPS, GLONASS or latest specs. Transmitter Requirement: a)#Digital Modulation: 4FSK modulation, 12.5 Khz for data and voice. b)#Protocal Standard: ETSI TS 102, 361-1,-2,-3. c)#Frequency Stability: +/-0.5 ppm. d)#Adjacent Channel Power: 60 Db @ 12.5 KHz, 70Db @ 20/25KHz					



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	Receiver Requirement: a)#Analogue Sensitivity: 0.19 μV or as per original manufacturer recommended. b)#Digital Sensitivity: 0.19 μV or as per original manufacturer recommended. c)#Intermodulation: 70 Db (TIA603D) or as per original manufacturer recommended. d)#Spurious Rejection: 70 Db (TIA603D) or as per original manufacturer recommended. Warranty/After Sales Support: a)#Supplier will provide standard one year comprehensive warranty minimum. However, extended warranty is preferable. b)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. c)#Authorized distributorship/franchise/representative certificate is required from original equipment manufacturer. d)#Shall conform to all specifications, drawings, and descriptions furnished, specified, or adopted by PSO. e)#Shall be suitable and sufficient for their intended purpose. f)#Do not infringe the patent, copyright, or other intellectual property rights of any third party (except to the extent that such infringement arises solely as the result of a design furnished by PSO, provided that there was no non-infringing way for Vendor to implement such design). g)#Shall comply with the restrictions of the use of certain hazardous substances in electrical and electronic equipment and other obligations as set					



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	forth for Oil and Gas Industry. h)#Shall be free from any claim of any third party. i)#In case of any defects as described in subsections(a) through (e) above, PSO reserves the right, at its choice, demand that defects are remedied or goods free of defects are supplied. j)#PSO#s inspection and / or acceptance of and / or payment for any goods or services shall not constitute a waiver by it of any warranties. k)#PSO#s approval of any sample or acceptance of any goods shall not relieve Vendor from responsibility to deliver goods and perform services conforming to equipment specifications, descriptions and performance. l)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. m)#As per clause # (a) to (l) above, the supplier is required to provide free of cost periodic maintenance during the warranty period. Terms <(>&<)> Conditions: 1.#The bidder must obtain all the relevant information e.g. distances to be covered for equipment coverage for any particular location before the bids documents preparation and before selecting the equipment to be offered to PSO. 2.#Prospective bidder will have to submit copy of authorized and valid dealership certificate issued by the original equipment manufacturer with the					



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REQUEST FOR QUOTATION

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SAP No.6100018158

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

25.09.2026

BY
(Time)

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	technical bids. Otherwise, a separate letter from the manufacturer will be required if the original manufacturer has authorized the bidder to participate in this particular tender by PSO. 3.#Supplier shall not be allowed to deviate or alter the terms <(>&<)> conditions once offered and once accepted in the form of purchase/service order or agreement from PSO's Procurement <(>&<)> Services Department. 4.#Contractor must have proven experience of performing similar jobs /supplies in reputed organizations in recent years. 5.#Unless otherwise specified in the general requirements, the Vendor shall provide and assume full responsibility for all services, equipment, transportation, installation equipment (if required) etc. For the performance, testing, start-up, and successful trouble-free running of the equipment during the warranty period. 6.#The supplier shall pay all fees and royalties and assume all costs associated with getting their equipment (VHF/base station sets) approved from regulatory body during the warranty period. However, PTA license to operate the equipment is the responsibility of PSO. 7.#All base stations and their corresponding VHF sets will be delivered at their respective locations where installation of base stations will be required. Rest VHF sets delivery is required at central stores, PSO					



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	Keamari Terminal B (Address and location may please be ascertained before making quotation). However, PSO reserves the right to advise the supplier to directly deliver the equipment (VHF sets only) to any particular location due to any unforeseen circumstances. 8.#The quoted rates must mention the base price, installation cost (for base station only) and applicable taxes separately. 9.#Supplier shall also be required to submit the certificate from FBR in case they are exempted from deduction of income tax/sales tax. 10.#Payment shall be made on the basis of actual quantity received and accepted. 11.#Solution provider will be liable for all manufacturing defects in the equipment, as all consignment will subject to the inspection at concerned staff at either at central stores, Keamari Terminal B or at Operation location upon receipt. 12.#Part payment against part delivery is allowed. 13.#Supplier must attach Mill test report/ factory test report by manufacturer with the technical bids. 14.#PSO reserves the right to extend the time period of the purchase order for					



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	another 06 months in case the delivery time period in extended for any operational reason by PSO. 15.#Maximum One month mobilization time will be given to the supplier after issuance of LOI / Service order, whichever is issued first, to make necessary arrangement for delivery of equipment at central stores-Daulatpur. 16.#PSO reserves the right to review its contract award decision for cancelation if the contractor fails to start the job after one month mobilization time, as per above clause. In such case, PSO reserves the right to award the contract to second lowest bidder and supplier will have no objection/reservation, whatsoever, in this regard. 17.#All bidders will arrange physical demonstration of the equipment at the location advised by PSO concerned officer during the technical review of the bid documents. 18.#Selected bidder will arrange operation and routine maintenance training of the PSO staff at major cities (KHI/LHR/ISB) during the warranty period and after the equipments have been delivered at all locations. 19. # Vendor responsible for extracting frequencies from existing devices if not provided by PSO. 20. Any damage occurring during transportation, import, or handling shall be					



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9	the sole responsibility of the vendor and will be borne at the vendor's expense. 21. # The vendor will provide equipment within 240 days after issuance of Purchase order, 22. a. Penalty Rate: A penalty at the rate of 0.1% of the total value of the undelivered quantity per day of delay shall be levied, subject to a maximum of 10 % of the value of the work order. b. Calculation: Penalty = (Value of Undelivered Quantity) × (Penalty Rate per day) × Number of days delayed). <u>Mobile station VHF</u> VHF Radio Sets (Walkie Talkie) at JIMCO Mandatory Requirement: a)#Equipment should be designed for intrinsically safe operation. b)#Should meet ingress protection IP 68 or latest standard and ETSI DMR/IDAS standard compliant as per PTA requirement. c)#PTA approved equipment. d)#Equipment should be UL <(>&<)> TIA approved for use in Hazardous location as per Division 1, Class I, II <(>&<)> III, Groups C,D,F,G; Division 2, class 1, Groups A,B,C,D, T3C. e)#Compliant with applicable Military Standards from MIL-STD 810C to 810G. f)#Offered digital walkie talkie sets with base stations should be compatible with existing analogue equipment(s) already being used by PSO. Operating Frequency: 136 # 174 MHz, or else as per PTA advised.	<u>Mehmood Kot (Inst.)</u>	<u>EA</u>	7		



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	Equipment Specification: G# Digital Handheld Portable Radio DMR Tier II <(>&<)> Tier III compliant; TIA-approved radio <(>&<)> battery; IP68 <(>&<)> MIL-STD-810H; Dual-mic adaptive noise suppression; Intelligent audio leveling; 95+ dB loud audio; Full-color front display; Bluetooth 5.x; Wi Fi 2.4/5 GHz; GNSS; AES 256 encryption; Minimum 1000 channels. weight of Radio (1KG) 1 Nos H # Standard Accessories TIA-approved battery; Standard antenna; Desktop charger with AC adapter; Belt clip; Operating manual. 1 Set ----- Channel Spacing: 12.5 KHz / 20 KHz / 25 KHz Operating Channels: At least 500 or more as per original equipment manufacturer recommendation. Display: LCD/LED display of minimum 2.4inch. TFT or higher strength screen weight of radio 1 KG Vibrator: optional. Power Output: Max: 5 watt; Min: 1 watt desirable or as per original manufacturer recommendation. Desirable to have power efficient model. Operating Voltage: As per original manufacturer recommended. FM Modulation: 11KOF3E @ 12.5 KHz, 14KOF3E @ 20 KHz; 16KOF3E @ 25 KHz. Antenna: 50 Hum <(>&<)> Noise Reduction: -40 Db @ 12.5 KHz, -45Db @ 20/25 KHz. Audio Distortion Allowance: 3 % maximum. Conducted Spurious Emission: <(><<)> 57 dBm or as per manufacturer recommendation. Audio Response: +1 ~ -3 dB (TIA603D) or as per applicable standard.					



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	Operating Temperature: -30 0C to +60 0C or as per original manufacturer recommendation. Storage Temperature: -40 0C to +85 0C or as per original manufacturer recommendation. Voice Recording compatibility: optional. Software Configuration: Open with free life time latest version updates. Dispatch Control Monitoring System: Compatibility required. Bluetooth / GPS / WiFi connectivity: 1.#Blue tooth: version 4.0 or higher, class 2 (10 mtr minimum) 2.#Wifi: as per IEEE 802. 11b, 802. 11n and as per WPA, WPA-2 <(>&<)> WEP or latest 3.#GPS: Location update through GPS, GLONASS or latest specs. Battery: a) Intrinsically safe IP 68 or higher standard. b) Lithium Ion Battery of minimum 3200 Mah (or higher capacity battery acceptable). c) Battery fast charging option is desirable. Transmitter Requirement: 1.#Digital Modulation: 4FSK modulation, 12.5 Khz for data and voice. 2.#Protocol Standard: ETSI TS 102, 361-1,-2,-3 <(>&<)> GA/T1056, 57, 58 <(>&<)> 59. Radioactive Emissions (TIA603D) -36DBm<(>&<)> 1GHz, -30dBm > 1GHz. 3.#Frequency Stability: +/-0.5 %. 4.#Adjacent Channel Power: 60 Db @ 12.5 KHz, 70Db @ 20/25KHz Receiver Requirement: 1.#Analogue Sensitivity: 0.14 µV or as per original manufacturer recommended. 2.#Digital Sensitivity: 0.14 µV or as per original manufacturer recommended. 3.#Intermodulation: 70 Db (TIA603D) 4.#Spurious Rejection: 70 Db (TIA603D)					



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	Warranty/After Sales Support: a)#Supplier will provide standard one year comprehensive warranty minimum. However, extended warranty is preferable. b)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. c)#Authorized distributorship/franchise/representative certificate is required from original equipment manufacturer. d)#Shall conform to all specifications, drawings, and descriptions furnished, specified, or adopted by PSO. e)#Shall be suitable and sufficient for their intended purpose. f)#Do not infringe the patent, copyright, or other intellectual property rights of any third party (except to the extent that such infringement arises solely as the result of a design furnished by PSO, provided that there was no non-infringing way for Vendor to implement such design). g)#Shall comply with the restrictions of the use of certain hazardous substances in electrical and electronic equipment and other obligations as set forth for Oil and Gas Industry. h)#Shall be free from any claim of any third party. i)#In case of any defects as described in subsections(a) through (e) above, PSO reserves the right, at its choice, demand that defects are remedied or goods free of defects are supplied. j)#PSO's inspection and / or acceptance of and / or payment for any goods or services shall not constitute a waiver by it of any warranties.					



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	k)#PSO's approval of any sample or acceptance of any goods shall not relieve Vendor from responsibility to deliver goods and perform services conforming to equipment specifications, descriptions and performance. l)#The supplier should have customer support center/service center in major cities of Pakistan for 24/7 repair maintenance of the equipment. m)#As per clause # (a) to (l) above, the supplier is required to provide free of cost periodic maintenance during the warranty period. Terms <(>&<)> Conditions: 1.#The bidder must obtain all the relevant information e.g. distances to be covered for equipment coverage for any particular location before the bids documents preparation and before selecting the equipment to be offered to PSO. 2.#Prospective bidder will have to submit copy of authorized and valid dealership certificate issued by the original equipment manufacturer with the technical bids. Otherwise, a separate letter from the manufacturer will be required if the original manufacturer has authorized the bidder to participate in this particular tender by PSO. 3.#Supplier shall not be allowed to deviate or alter the terms <(>&<)> conditions once offered and once accepted in the form of purchase/service order or agreement from PSO's Procurement <(>&<)> Services Department.					



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	4.#Contractor must have proven experience of performing similar jobs /supplies in reputed organizations in recent years. 5.#Unless otherwise specified in the general requirements, the Vendor shall provide and assume full responsibility for all services, equipment, transportation, installation equipment (if required) etc. For the performance, testing, start-up, and successful trouble-free running of the equipment during the warranty period. 6.#The supplier shall pay all fees and royalties and assume all costs associated with getting their equipment (VHF/base station sets) approved from regulatory body during the warranty period. However, PTA license to operate the equipment is the responsibility of PSO. 7.#All base stations and their corresponding VHF sets will be delivered at their respective locations where installation of base stations will be required. Rest VHF sets delivery is required at central stores, PSO Keamari Terminal B (Address and location may please be ascertained before making quotation). However, PSO reserves the right to advise the supplier to directly deliver the equipment (VHF sets only) to any particular location due to any unforeseen circumstances. 8.#The quoted rates must mention the base price, installation cost (for base					



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	station only) and applicable taxes separately. 9.#Supplier shall also be required to submit the certificate from FBR in case they are exempted from deduction of income tax/sales tax. 10.#Payment shall be made on the basis of actual quantity received and accepted. 11.#Solution provider will be liable for all manufacturing defects in the equipment, as all consignment will subject to the inspection at concerned staff at either at central stores, Keamari Terminal B or at Operation location upon receipt. 12.#Part payment against part delivery is allowed. 13.#Supplier must attach Mill test report/ factory test report by manufacturer with the technical bids. 14.#PSO reserves the right to extend the time period of the purchase order for another 06 months in case the delivery time period in extended for any operational reason by PSO. 15.#Maximum One month mobilization time will be given to the supplier after issuance of LOI / Service order, whichever is issued first, to make necessary arrangement for delivery of equipment at PSO Mehmood Kot. 16.#PSO reserves the right to review its contract award decision for cancelation if the contractor fails to start the job after one month					



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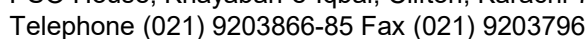
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