

GOVERNMENT OF PAKISTAN
PAKISTAN ORDNANCE FACTORIES
PREQUALIFICATION TENDER ENQUIRY

To,
M/s. -----

Dear Sirs,

Subject: **PREQUALIFICATION TENDER ENQUIRY NO. 33-Gen Paints-Pur-E, DT.28 - 11 - 2018.**

POF invites applications from the local Manufacturers of Paints to Pre-qualify their firms and products for the supply of specified ammunition Paints (as per list attached) for 03 years. The firms interested to supply the ammunition Paints should meet the following requirements.

1. Proven experience of manufacturing & supply of ammunition Paints and details of manufacturing & Testing Facility including Plant & Machinery and the test laboratory to test parameters as mentioned against the nomenclature & specification of paints in the enclosed list.
2. The production & Test Facility should be ISO 9000 & ISO 17000 certified along with the Calibration and Traceability record.
3. Sources of Raw materials.
4. Stock and Storage capacity & detail.
5. Production Capacity.
6. Provision of samples alongwith their test results as per specifications mentioned against each paint for approval of competent authority in POFs.
7. Financial Status (Bank statements etc).
8. Experience of supply of ammunition Paints.
9. Detail of Technical & Management Staff alongwith the Management / Service facilities.
10. Firms will have to provide any other information alongwith documentary evidence asked for, during the process for evaluation of firms and their products.
11. POF team comprising of not more than 3-4 members may also visit the manufacturing site to witness the facility
12. In case of Pre-qualification of more than one firm, store will be procured on limited tendering and on competitive basis.

Contd.....P/2

2. You are requested to submit bids/proposal for the item(s) noted in the Schedule to the Tender. Offer should be sent duly sealed in an envelope. Please note the following instructions for filling the tender: -

SUBMISSION OF TENDER

i) Tenders will be opened at 1200 Hours on **03 - 01 - 2019.** and must reach at the following address on or before 1130 hours upto the date of opening of Tenders. The tenders received late will not be entertained. You may witness the opening of the tender if you so desire. If a representative is deputed, he should bring a letter of authority from you.

ii) Tender envelope should be addressed as under. The outside of the envelope should be inscribed with: -

Tender Enquiry No: **33-Gen Paints-Pur-E,**
Tender to be opened on: **03 - 01 - 2019.**

Address as follows:

DIRECTOR SCM- POF WAH CANTT.

iii) If envelope do not indicate subject of T.E or received late the same may be returned un-opened.

(3) **Special Conditions:-**

1. Tender Fee for Rs.500/- must be enclosed with the bids/proposals.
2. All the interested firms are required to submit the documentary evidence of their professional, technical, financial, legal & managerial competency for bid evaluation
3. Original manufacturers/ Reputed / Branded company are eligible to participate.
4. Sample of Paints will be required for Functional Trials.
5. Only registered suppliers (with Sales Tax & Income Tax Deptt.), NTN who are on Active Tax payers List (ATL) of FBR are eligible to supply goods/services to Government Departments and PTC must be from the province of Punjab.

(Waqas Ahmed)
DIRECTOR-SCM
POFs WAH CANTT

Tele 051-9055-21088
Fax No. 051-9271400

SCHEDULE TO PREQUALIFICATION TENDER

Sr #	DESCRIPTION OF STORE	SPECIFICATION	Test Required
01	Paint Black Bituminous Quick Drying PFU.	Spec. IM-2435 (B)	1) Dry Time
			2) Opacity
			3) Finish Properties
			4) Water proofing Effect on canvas
			5) Flexibility
			6) Resistance to water
			7) Fastness to light
02	Turquoise Blue Paint Shade No 102 For 106 MM Trg. RDS.	Spec.DEF-STAN-80-27/3 Single Coat Air Drying, DRG. NO. GDL/106-TR/ C-302.	1) Application properties & finish.
			2) Surface drying time.
			3) Hard drying time.
			4) Color
			5) Bend test
			6) Scratch resistance.
			7) Humidity resistance
			8) Salt spray resistance
			9) Specular gloss
			10) Flash point
			11) Resistance to white spirit.
			12)Mineral oil resistance
			13) Impact resistance
03	Paint Red Oxide of Iron For GS P.F.U IM-1794 (F)	BS-381-C-1980 Color REF#. 446 (Red oxide)	Color
04	Roof Tile (Roof Tile 5430) or Equivalent.	Roof Tile 5430	
05	Berger Robbialac Leaf Green (Leaf Green 4013) or Equivalent	(Leaf Green 4013)	
06	Paint Red Lead Dry (Sendoor)	BSS 217/1961 (Type 3)	1)Residue on Sieve
			2) Lead %
			3) Oil Absorption Value
			4) Color
			5) Volatile Matter
			6) Matter Soluble in Water
07	Paint Aluminum PFU H-R G.S. Brushing.	A). Spec. No. IM-1648(C) Aluminum Contents 15% MIN. B). Heat Resisting at 130 c Spec.DEF-1149 (B)	1) Application properties & finish
			2) Hard drying time
			3) Color.
			4) Bend test
			5) Scratch resistance
			6) Flash point
			7)Opacity
			8)Fastness to light
			9)Heat resistance
			10)Resistance to continuous salt spray
			11)Resistance to fats
			12) Lead resistance
			13)Consistency
			14) Al Content

08	Paint Marking Black Brush Stenciling.	Spec. DEF- STAN 80-68/2	1)Application properties & finish
			2)Hard drying time
			3) Color.
			4) Resistance to white spirit.
			5) Mineral oil resistance
			6)Resistance to continuous salt spray
			7)Resistance to artificial & natural weathering
			8) Resistance to skinning
09	Paint Finishing Ammo. Non Significant Black Scheme "B" Spraying.	Spec. DEF-STAN 80-27/3.	1) Application properties & finish.
			2) Surface drying time.
			3) Hard drying time.
			4) Color.
			5)Bend test
			6) Scratch resistance.
			7)Humidity resistance
			8)Salt spray resistance
			9) Specular gloss
			10) Flash point
			11) Resistance to white spirit.
			12)Mineral oil resistance
			13) Impact Resistance
10	Paint Blue Acid Resisting Finishing & Brushing.	Spec. DEF-1116-SHAD NO. 7-084, OF G (E) BS-2660 SG (1955)	1) Scratch resistance.
			2)Application properties & finish
			3) Surface drying time.
			4) Hard drying time
			5)Bend test
			6) Flash point
			7)Color
			8)Consistency
			9) Resistance to electrolyte
			10) Scratch resistance.
			11) Opacity
11	Paint Grey Acid Resisting Brushing & Finishing.	Spec. DEF 1402-SHADE NO.9-096,G (E) OF BS-2660 (1955)	1)Application properties & finish
			2) Hard drying time
			3)Bend test
			4) Scratch resistance.
			5) Color.
			6)Flash point
			7)Consistency
			8) Resistance to electrolyte
			9)Resistance to accelerated weather

12	Paint Olive Drab Shade No.298 BS-381 C/1996. Spraying to Scheme "B"	Spec. DEF-1110 OR DEF- 1111.	1) Flash Point
			2) Consistency
			3) Application Properties & Finish
			4) Surface Dry Time
			5) Hard Dry Time
			6) Color
			7) Bend Test
			8) Scratch Resistance
			9) Resistance to Heat
			10) Salt Spray resistance
13	Paint Finishing G.S. Gloss Spraying Signal Red. SH. Shade No.537.	Spec. DEF STAN 80- 54/2	1) Application properties & finish.
			2) Surface drying time.
			3) Hard drying time.
			4) Color.
			5) Bend test
			6) Scratch resistance.
			7) Density
			8) Resistance to continuous salt spray
			9) Specular gloss
			10) Flash point
			11) Resistance to white spirit.
			12) Mineral oil resistance
			13) Viscosity
			14) Opacity
			15) Resistance to artificial weathering
			16) Resistance to natural weathering
14	Paint Red Acid Resisting Brushing & Finishing.	Spec. DEF 1402 SHADE NO.539 OF BSS-381 C-1980.	1) Application properties & finish
			2) Hard drying time
			3) Bend test
			4) Scratch resistance.
			5) Color.
			6) Flash point
			7) Consistency
			8) Resistance to electrolyte
			9) Resistance to accelerated weather
15	Paint White Acid Resisting Brushing & Finishing.	Spec. DEF-1402.	1) Application properties & finish
			2) Hard drying time
			3) Bend test
			4) Scratch resistance.
			5) Color.
			6) Flash point
			7) Consistency
			8) Resistance to electrolyte
			9) Resistance to accelerated weather

16	Paint Marking Brushing Stenciling Golden Yellow Shade No-356 of BS-381-C OF 1980.	Spec. No. DEF-STAN 80-68/Issue -2.	1)Application properties & finish
			2)Hard drying time
			3) Color.
			4) Resistance to white spirit.
			5) Mineral oil resistance
			6)Resistance to continuous salt spray
			7)Resistance to artificial & natural weathering
			8) Resistance to skinning
17	Weather Coat (Terracotta 6901) OR Equivalent.	Spec. Terracotta 6901.	
18	Weather Fighter.		
19	Paint Finishing G.S Gloss Spraying Air Drying Service Brown. Shade No. 499 BS-381-C/1980 Density 1.2+/-0.2	Spec. DEF-STAN 80-54/1	1) Application properties & finish.
			2) Surface drying time.
			3) Hard drying time.
			4)Bend test
			5) Scratch resistance.
			6) Opacity
			7) Flash point
			8)Mineral oil resistance
			9) Composition
			10) Lead content
20	Paint Service Brown Finishing Air Drying Shade No.499 BS-381 C.	Spec. DEF-STAN 80-54/2.	1) Application properties & finish.
			2) Surface drying time.
			3) Hard drying time.
			4) Color.
			5)Bend test
			6) Scratch resistance.
			7) Density
			8) Resistance to continuous salt spray
			9) Specular gloss
			10) Flash point
			11) Resistance to white spirit.
			12)Mineral oil resistance
			13) Viscosity
			14)Opacity
			15)Resistance to artificial weathering
			16)Resistance to natural weathering

21	Paint Deep Bronze Green For Painting of Fiber Glass Container, Color Shade No.224 To BS 381/C.	Spec. DEF STAN 80-27/3.	1) Application properties & finish.
			2) Surface drying time.
			3) Hard drying time.
			4) Color.
			5)Bend test
			6) Scratch resistance.
			7)Humidity resistance

			8) Salt spray resistance
			9) Specular gloss
			10) Flash point
			11) Resistance to white spirit.
			12) Mineral oil resistance
			13) Impact Resistance
22	Paint Finishing Ammo. Single Coat Stoving Spraying. Scheme (B) EAU-DE-Nil.	Spec. DEF STAN 80-25/4	1) Application properties & finish.
			2) Color.
			3) Bend test
			4) Scratch resistance.
			5) Humidity resistance
			6) Salt spray resistance
			7) Specular gloss
			8) Resistance to white spirit.
			9) Mineral oil resistance
			10) Impact Resistance
23	Paint Finishing Ammo. Stoving Deep Bronze Green Shade No. 224, BS-381- C/1980.	Spec. DEF-STAN -80-25/4.	1) Application properties & finish.
			2) Color.
			3) Bend test
			4) Scratch resistance.
			5) Humidity resistance
			6) Salt spray resistance
			7) Specular gloss
			8) Resistance to white spirit.
			9) Mineral oil resistance
			10) Impact Resistance
24	Paint Finishing Ammo. Stoving Middle Bronze Green Shade No. 223,	Spec. BS-381- C/1996 DEF-STAN -80-25/4.	1) Application properties & finish.
			2) Color.
			3) Bend test
			4) Scratch resistance.
			5) Humidity resistance
			6) Salt spray resistance
			7) Specular gloss
			8) Resistance to white spirit.
			9) Mineral oil resistance
			10) Impact Resistance
25	Paint Grey Dark Admiralty General Service Brushing Gloss.	Spec. DEF-STAN 80-54/1/1976 Shade No. 632 of BS 381-C-1980.	1) Application properties & finish.
			2) Surface drying time.
			3) Hard drying time.
			4) Color.
			5) Bend test
			6) Scratch resistance.
			7) Opacity
			8) Flash point
			9) Mineral oil resistance
			10) Composition
			11) Lead Content

			11) Resistance to white spirit.
			12)Mineral oil resistance
			13) Impact Resistance
26	Paint Orange Light Gloss PFU GS Brushing.	Spec. DEF-1052-(A) BS-381-C-1980-Colour Shade No.557.	1) Application properties & finish. 2) Surface drying time. 3) Hard drying time. 4) Color. 5)Bend test 6) Scratch resistance. 7) Resistance to white spirit. 8) Resistance to Mineral oil 9) Consistency 10)Flash point 11)Opacity 12)Resistance to continuous salt spray 13)Resistance to accelerated weather 14) Lead restriction
27	Paint Red Oxide Priming of Iron Zinc Chrome Air Drying.	Spec. DEF-STAN-80-7/3	1) Application properties & finish. 2) Surface drying time. 3) Hard drying time. 4) Color. 5)Bend test 6) Scratch resistance. 7) Humidity resistance 8) Resistance to white spirit. 9)Specular gloss 10) Flash point 11)Density 12)Viscosity 13)Fitness for recoat 14)Resistance to impact (falling weight) 15))Resistance to continuous salt spray
33	Paint Middle Bronze Green Finishing Spraying G.S. Gloss Shade No.223 BS-381 C/1980	Spec. No. DEF-STAN 80-54/1.	1) Application properties & finish. 2) Surface drying time. 3) Hard drying time. 4) Color. 5)Bend test 6) Scratch resistance. 7) Opacity 8) Flash point 9)Mineral oil resistance 10) Composition 11) Lead content

34	Paint Finishing Ammo. Single Coat Spraying Stoving Black. Stoving Temp. 130 C.	Spec. DEF STAN -80-25/2.	1) Application properties & finish.
			2) Color
			3) Bend test
			4) Scratch resistance.
			5) Humidity resistance
			6) Continuous Salt spray resistance
			7) Condition
			8) Specular gloss
			9) Flash point
			10) Resistance to white spirit.
			11) Mineral oil resistance
			12) Resistance to impact
			13) Resistance to artificial weathering
			14) Composition
			15) Lead content
			16) Pressure test
35	Paint Arctic Blue Spraying to shade 112 BS 381 C/1984 (Air Drying)	Spec. No. DEF STAN 80-54/1.	1) Application properties & finish.
			2) Surface drying time.
			3) Hard drying time.
			4) Color.
			5) Bend test
			6) Scratch resistance.
			7) Opacity
			8) Flash point
			9) Mineral oil resistance
			10) Composition
			11) Lead content
36	Paint Priming Red Oxide Of Iron Zinc Chrome Stoving.	Spec. DEF STAN 80-13/1.	1) Application Properties & finish
			2) Color
			3) Bend Test
			4) Consistency
			5) Scratch Test
			6) Resistance to impact
			7) Resistance to white spirit
			8) Flash Point
			9) Lead restriction
37	Paint Finishing Single Coat Deep Bronze Green Stoving. Shade No.224 To BS-381-C Scheme-A	Spec. DEF-STAN 80-25/4.	1) Application properties & finish.
			2) Color.
			3) Bend test
			4) Scratch resistance.
			5) Humidity resistance
			6) Salt spray resistance
			7) Specular gloss
			8) Resistance to white spirit.
			9) Mineral oil resistance
			10) Impact Resistance

38	Thinner Suitable For Paint.	Spec. No. BS-245/1976.	
39	Paint Black Acid Resisting Finishing and Brushing.	Spec. DEF-STAN-1402/1961.	1) Application properties & finish
			2) Hard drying time
			3) Bend test
			4) Scratch resistance.
			5) Color.
			6) Flash point
			7) Consistency
			8) resistance to electrolyte
			9) resistance to accelerated weather
40	Paint Aluminum PFU GS- Brushing	Spec. IM-1648 (C)	1) Application properties & finish
			2) Drying time
			3) Covering power and spreading
			4) Flexibility and adhesion
			5) Loss on heating
			6) Opacity
			7) Fastness to light
			8) Flash point
			9) Aluminum content
41	Paint Black PFU GS- Brushing Gloss.	Spec. DEF-STAN-1052 A /1960.	1) Application Properties & finish
			2) Color
			3) Bend Test
			4) Scratch Test
			5) Surface Drying Time
			6) Resistance to white spirit
			7) Flash Point
			8) Resistance to mineral oil
			9) Consistency
			10) Flash point
			11) Opacity
			12) Resistance to continuous salt spray
			13) Resistance to accelerated weather
			14) Lead restriction
42	Paint White Enamel Finishing P.F.U Type Brushing Hard Gloss.	Spec. DEF-1156.	1) Application properties & finish.
			2) Surface drying time.
			3) Hard drying time.
			4) Color.
			5) Bend test
			6) Flash point
			7) Composition
			8) Lead restriction
			9) Consistency
			10) Opacity
			11) Fastness to light
			12) Resistance to accelerated weathering

43	Paint Yellow Enamel P.F.U Gloss.	Spec. IM-1806 (B), Dt.4-11-60 Color Shade As Per Spec. BS-381-C-1988 Color Shade No. 355 (Lemon)	Color
44	Paint Finishing Ammo. Stoving Scheme "B" Single Coat For Spraying and to Stove At 127 C For 30 Minutes Color Black recommended viscosity.	Spec. No. DEF STAN 80-25/Issue-II.	1) Application properties & finish. 2) Color 3) Bend test 4) Scratch resistance. 5) Humidity resistance 6) Continuous Salt spray resistance 7) Condition 8) Specular gloss 9) Flash point 10) Resistance to white spirit. 11) Mineral oil resistance 12) Resistance to impact 13) Resistance to artificial weathering 14) Composition 15) Lead content 16) Pressure test
45	Paint Blue Azure Finishing PFU General Service Gloss Type Brushing.	Spec. DEF-1052 'A' 1960 Shade Color Spec. No. BS-381 'C' 1988 Shade No.104.	1) Application Properties & finish 2) Color 3) Bend Test 4) Scratch Test 5) Surface Drying Time 6) Resistance to white spirit 7) Flash Point 8) Resistance to mineral oil 9) Consistency 10) Flash point 11) Opacity 12) Resistance to continuous salt spray 13) resistance to accelerated weather 14) Lead restriction
46	Paint Green Brunswick Middle PFU General Service Gloss.	Spec. No. IM-1790 'E' BSS-381-C-1980 REF No. 226	1) Surface Dry Time 2) Opacity 3) Finish Properties 4) Hard Dry Time 5) Covering Power & Spreading Rate 6) Color 7) Fastness to Light 8) Flash Point 9) Calcium Compound

47	Paint Finishing Ammo. Air Dry Black	Spec. No. DEF-STAN 80-27/3	1) Application properties & finish.
			2) Surface drying time.
			3) Hard drying time.
			4) Color.
			5) Bend test
			6) Scratch resistance.
			7) Humidity resistance
			8) Salt spray resistance
			9) Specular gloss
			10) Flash point
			11) Resistance to white spirit.
			12) Mineral oil resistance
			13) Impact Resistance
48	Paint Red Enamel Finishing PFU Type Brushing Hard Gloss. Spec. DEF-1156, Dt.3-10-57 Color Shade As Per	Spec. No. BS-2660/1955 Cord No. 0- Shade No. 0-006G-(E)	1) Flash Point
			2) Consistency
			3) Application properties & Finish
			4) Surface Dry Time
			5) Hard Dry Time
			6) Color
			7) Opacity
			8) Bend Test
			9) Specular Gloss
			10) Weathering Test
			11) Fastness to Light
49	Paint White Finishing General Service Type Brushing Gloss.	Spec. No. DEF-1052 'A' 1960.	1) Application Properties & finish
			2) Color
			3) Bend Test
			4) Scratch Test
			5) Surface Drying Time
			6) Resistance to white spirit
			7) Flash Point
			8) Resistance to mineral oil
			9) Consistency
			10) Opacity
			11) Resistance to continuous salt spray
			12) resistance to accelerated weather
			13) Lead restriction

50	Paint MB Green Shade No.223 BS-381 C/1996	Spec. No. DEF STAN 80-25/2	1) Application properties & finish.
			2) Color
			3) Bend test
			4) Scratch resistance.
			5) Humidity resistance
			6) Continuous Salt spray resistance
			7) Condition
			8) Specular gloss
			9) Flash point
			10) Resistance to white spirit.
			11) Mineral oil resistance
			12) Impact Resistance
			13) Resistance to artificial weathering
			14) Composition
			15) Lead content
51	Paint Finishing Ammo Stoving Single Coat scheme-B for Spraying and to Stove At 130C For One Hour Color Turquoise Blue Shade No.102 to BS-381 C	Spec. DEF-STAN 80-25/2	1) Application properties & finish.
			2) Color
			3) Bend test
			4) Scratch resistance.
			5) Humidity resistance
			6) Continuous Salt spray resistance
			7) Condition
			8) Specular gloss
			9) Flash point
			10) Resistance to white spirit.
			11) Mineral oil resistance
			12) Resistance to impact
			13) Resistance to artificial weathering
			14) Composition
			15) Lead content
			16) Pressure test
52	Road Marking Paint White (CR. Paint I.C.I/Burger / Buxly)	Spec. Berger, Buxly OR Equivalent.	
53	Paint Yellow Road Marking. (CR. Paint I.C.I/Burger/Buxly)	Spec. Berger, Buxly OR Equivalent.	
54	Paint Finishing Ammo. Air Drying, Scheme "B" EAU-DE-NIL Shade No.216 TO BS-381-C 1980 Type Spraying	Spec. DEF-STAN-80-27/3	1) Application properties & finish.
			2) Surface drying time.
			3) Hard drying time.
			4) Color.
			5) Bend test
			6) Scratch resistance.
			7) Humidity resistance
			8) Salt spray resistance
			9) Specular gloss
			10) Flash point
			11) Resistance to white spirit.
			12) Mineral oil resistance
			13) Impact Resistance

55	Paint Middle Brown (AIR DRYING) SHADE NO.411 TO BS-381 C	Spec. DEF-STAN-80-27/ISSUE-3	1) Application properties & finish.
			2) Surface drying time.
			3) Hard drying time.
			4) Color.
			5) Bend test
			6) Scratch resistance.
			7) Humidity resistance
			8) Salt spray resistance
			9) Specular gloss
			10) Flash point
			11) Resistance to white spirit.
			12) Mineral oil resistance
			13) Impact Resistance
56	Paint (Lead Based) Red & White Priming Paint For Wood work.	Spec. BS-2521/66.	1) Resistance to White Spirit
			2) Consistency
			3) Hard Dry Time
			4) Surface Dry Time
			5) Application Properties & Finish
			6) Water Content
57	Paint (Lead Based) Red & White Priming Paint For Wood work.	Spec. BS-2521/66.	1) Resistance to White Spirit
			2) Consistency
			3) Hard Dry Time
			4) Surface Dry Time
			5) Application Properties & Finish
			6) Water Content
58	Lacquer Shellac 11% Type QX.	Spec. DEF STAN 80-44/1 (A)	1) Lead Content
			2) Non Volatile Matter
			3) Ash Content
			4) Application Properties & Finish
			5) Hard Dry Time
59	Paint Finishing Single Coat Stoving Strong Blue Stoving Shade No.107 OF BS - 381 C-1964.	Spec. DEF STAN 80-25/4.	1) Application properties & finish.
			2) Color.
			3) Bend test
			4) Scratch resistance.
			5) Humidity resistance
			6) Salt spray resistance
			7) Specular gloss
			8) Resistance to white spirit.
			9) Mineral oil resistance
			10) Impact Resistance

Date _____
Place _____

Signature of the Tenderer _____
Name _____
Position _____
Address _____
Income Tax G.I.R. No. _____
Official Stamp _____