



Pakistan State Oil Company Limited

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

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RFQ No	IC-19836FF	
DATE	23.07.2026	

REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)

SAP No.6100017531

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

13.08.2026

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: Rehabilitation of Vertical Storage Tank # 203 at KTC With IFC(PMG, Dia: 15.203 M, Height: 13.7 M, 2000 MT)

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
1	<u>Civil Works</u>	<u>PSO House</u>				
1.01	<u>Dismantling</u> Dismantling and removing of existing asphalt carpet of tank and disposing it outside terminal as per instruction of PSO site engineer.		M3	2.000		
1.02	<u>Excavation of strata</u> Excavation in all kinds of strata / soil (dry or wet, hard or soft, etc) including clearing and grubbing of site complete in all respects, including all operation, complete with breaking clods, levelling, dressing, dewatering, shoring & compacting. Also include backfilling of excavated stuff inclusive of breaking clods, dressing, watering and consolidating by ramming (by power roller, mechanical rammer, plate vibrator, roller of suitable size or other approved equipment as per instructions of PSO Site Engineer) in layers not exceeding 8" depth. 95% modified AASHTO density to be achieved where applicable. Lifting, shifting or disposing of surplus strata outside the premises or as per instructions & approval of PSO Engineer area also included in this item. Contractor will carryout compaction test as per specification & instructions (where required by PSO) without any extra cost. Note: Excavation dimensions as per approved drawing / PSO instruction shall be considered for measurement / payment. Cost includes Compaction Test and other related tests to be carried out (where required) through approved laboratory to be arranged and paid by the contractor. No extra charges/payments will be paid to contractor.		M3	2.000		
1.03	<u>Providing and Laying 1:2:4 SR cement</u> Providing and laying CC 1:2:4 (using S.R cement) of specified strength using approved quality 3/4" max. size graded crushed stone and and fine aggregate of required properties including water tight approved form work, mixing, transporting, placing(>,<)> leveling, compaction, rodding, vibrating, finishing and curing etc. scaffolding, racking out and cleaning, excluding cost of reinforcement, complete in all respects and as per instructions of PSO Engineer. Cube test for finding the crushing strengt of		M3	10.000		



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1.04	concrete will be carried out to confirm the desired strength at contractors own cost i.e. (3000 psi at 28 days, 2100 psi at 7 days). The cube tests will be carried out by contractor from PSO approved laboratory or as per instruction of PSO site Engineer. Cost also includes preparation of construction joints as per site conditions, specifications and directions of Engineer Incharge. Note: No extra charges/payment will be made for cube testing. Laying of CC 1:4:8 S.R. Cement		M3	1.000		
1.05	Providing and laying C.C. 1:4:8 with S.R.Cement specified strength at any level using approved quality 3/4" max. size graded crushed stone and fine aggregate of required properties of approved source including water tight approved form work (installation & removal), mixing, transporting, placing, compacting, vibrating, finishing and curing etc., scaffolding, racking out and cleaning complete in all respects and as per directions of PSO Engineer. Providing and applying Cement Plaster		M2	40		
1.06	Providing and applying PB4 Hot/Cold Bitumen of approved make with water proof chemical on foundations (inside/ outside) upto plinth level to sides and top of footings, situ PB4 CONCRETE WAT.PROOF.		M2	2		



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1.07	walls, columns, sides of plinth beams and floor etc. as per manufacturer recommendaions including cost of all material(>,<)> labour, equipments complete as per specification and as directed by the PSO Engineer Incharge. Installation of deformed steel		KG	250.000		
1.08	"Installation of deformed steel reinforcement bars including straightening, removing twists, cutting, bending, binding, wastage and overlaps, placing in position on precast cc chairs, tying with binding wire 18 SWG, complete as per instructions of the PSO Engineer. Only actual laid quantities will be considered for payment. Deformed steel reinforcement of yield strength 60000psi." Earthing of tank		EA	2		
1.09	Supply and installation of earthing as per attached drawing 018-71-ELT-003 (2 sheets). All materials and services required for execution of job is included in the item. Dismantling of existing floor		M2	40		
1.10	"Dismantling / excavation of existing floor of any type (hard standing /asphalt road / pavers /cc floor/stone/bricks etc .) of max 1 ft thick as per site requirement and as per instruction of site engineer. Job includes removal, shifting of debris & surplus material to a suitable place outside the terminal premises; shifting & stacking of usable material (on proposed location) within the terminal premises and general cleaning of the site as per instruction of PSO's site engineer. Note: Quoted rates should be for 1' depth. Any variation in depth will be calculated accordingly as per actual site strata." Non-shrinkage grout		M2	2		
1.11	Supplying and Laying of 25 mm thk. non-shrinkage grout having minimum compressive strength of 40 N/mm2 , it is applied with cement in accordance with the manufacturer specifications, standard drawings, design good practices and etc. Bituminous Surface Treatment:		M2	2		
	Bitumen Sand Layer Providing and applying asphalt sand mix layer 75 mm thick(>,<)>					



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2	on the firm and compacted surface including tack coat @ 0.75 liters / sq.m. Asphalt compacting with ASTM D 946 or AASHTO M20 penetration grade 60 / 70 with mixing proportion of 6% asphalt, 18% crshed stone (2.5 mm - 5 mm), 66% well graded sand and fine aggregates (0.07 mm - 0.42 mm). The asphalt surface shall be compacted to the required slope. Complete in all respects as per drawing, specification and as directed by the Company's Representative / Engineer.					
2.01	<u>Mechanical Works for Tank</u> <u>Cutting, removal of steel structure</u>	<u>PSO House</u>	<u>KG</u>	7,000.000		
2.02	Cutting of Existing Structure Cutting, removal and dismantling of the existing Structure<(>,<)> Steel Plates, Staircase, Supports, walkways, Platforms<(>,<)> Railings, pipe bridge, shed etc. as per instructions of PSO Project Engineer. The job also includes stacking of the same structure within he Terminal premises of PSO as per instruction of PSO Project Engineer. Note: All types of consumables (gas etc.) & scaffoldings required for the cutting, removal & dismantling job shall be provided by Contractor, without any additional cost.					
	<u>FABRICATION WORKS</u>		<u>KG</u>	15,300.00 0		
	Fabrication, erection, installation & welding of tank shell, shell strips, shell insertion plates, tank doublers, bottom & annular plates, roof & all structure steel works for supporting tank roof<(>,<)> nut bolts in roof structure, top railing, curb angles, tnk appurtenances such as nozzles & manholes with flanges <(>,<)> covers including stud bolts and nut bolts, spiral stair ways<(>,<)> splash plates, z-hooks, water draw off piping with supports <(>,<)> fittings, tank internal product lines / pipes with supports <(>,<)>fittings, center sump, datum plates, painter & fabricator hooks, nozzles, water drain channel on tank shell with drains<(>,<)>					



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	crossover platforms, pipe sleepers, field supports, foam / water sprinkler supports etc. complete in all respect in accordance with secs., drawings and instructions of PSO site engineer. Job also includes shifting (including loading and unloading) materials required to carryout the above work from site store to work site as per instruction of PSO site engineer. All handling,supporting, lifting, laying, placing in position, aligning<(> ,<)> cutting, machining, bending, rolling, forging, drilling, grinding<(>,<)> fabrication and welding in position of steel plates, structural and or other similar material as required for the construction of the above defined items of works is included in this item. NOTE: a) Cost of welding qualification procedure tests<(>,<)> destructive tests from shipyard (or other PSO approved company) & welder tests are included in scope. The contractor shall submit his welding procedure and reports to the owner's representative for pproval. b) All types of consumables (welding electrodes, gas etc.) required for the fabrication, erection, installation & welding job shall be provided by Contractor, without any additional cost.					
2.03	Services for Pit build up Services for Pit build-ups as per relevant code & specs requirement in tank. The job includes gouging, grinding, flushing, welding etc. All welding to be in accordance with relevant standard & done using specified welding procedures.		EA	100		
2.04	Repair of weld seam Repairing of weld seams as per relevant code & specs requirement. The job includes gouging, grinding, removing of old welding, cold cutting/flame cutting, flushing, re-groving, re-welding, recapping etc. All welding to be in accordance with relevant standard & done using specified welding procedures:		M	50		
2.05	SCAFFOLDING Contractor to provide Scaffoldings and Stagging Platform in-accordance		EA	1		



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2.06	with safety requirements for the execution of work. The job includes erection & dismantling of scaffolding and staging platform for tank entire mechanical work, surface preparation, coating & painting works inside and outside during the entire course of project. Scaffolding and staging platform shall be the responsibility of contractor. Scope of work also include providing and fixing of metal planks platform, provision of step ladders. All direct / indirect cost of material, labour, transportation required to carry out the activity is included in this item. <u>FABRICATION WORKS</u>		KG	50.000		
2.07	Fabrication and Installation of SS material for mesh on vents and any other devices as per complete satisfaction of PSO engineer. <u>Engineering Consultancy Services</u> Testing, inspection & Consultancy of the tank. (T-203) Consists of two parts A)DESIGNING AND CONSULTANCY FOR IFC INSTALLATION Design of tank. (T-203) The 'designing of Tank T-203' job is to be carried out from PSO approved consultant firm registered in PEC. Consultant to undertake survey of site and provide design for rebuilding of tank and associated piping. Tank should be designed as per API-650 standard (latest edition). Consultant to undertake: 1) Preparation of P&IDs 2) Designing of Tank(s) as per API-650 standard 3) Develop construction drawings of tank(s) and pipeline network 4) Pipe support design		JOB	1		



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	5) Develop layout drawings 6) Venting calculations for the tank(s) Note: Submission of complete design documents (in soft copy & in hard copy) & all drawings (in PDF and AutoCAD editable format) to PSO is part of this Job. B) TESTING AND INSPECTION The 'inspection of the tank shell' job is to be carried out from PSO approved inspection organization by an API 653 licensed inspector. Complete tank shell inspection to be carried out under the supervision of API-653 Certified Inspector. Contractor to provide certificate of inspector and obtain approval before finalising the inspection firm. Scope of work is as follows: "A) VISUAL INSPECTION OF TANK SHELL FOR REPAIRS: Providing services for complete visual inspection of complete tank shell from inside & outside. The inspector must inspect each tank shell visually and using ultrasonic thickness gauge and determine defects <(>,<)> pitting, pin-holes, etc. and suggest repairs/ rectifications as per API-653. Visual assessment must also be performed of complete shell to identify areas in need for repair / replacement. NOTE: After performing the Job, Contractor will submit detailed inspection report of findings with 'Clear-Cut' recommendations regarding ""suitability of service"" of the inspected tank and suggestions for necessary rectification / repairing work required as per API-653 <(>&<)> API-650. " & after completing the project the contractor will provide As-Built Drawing. "B) INSPECTION OF TANK SHELL FOR IFC: Checking of verticality, plumbness, roundness, peaking, bending, surface finish (includes checking of weld seam and rough spot) for shell <(>&<)>					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
2.08	internal structure where ever required for installation of IFC. Tank Inspection Company shall provide recommendations for rectification of observations in verticality, plumbness, roundness, peaking, bending <(>,<)> surface finish etc. " "NOTE: The purpose of this inspection shall be to confirm plumbness of all interior components, along with roundness and the condition of the shell surface finish including checking of weld seam & rough spot (for the presence of damage, projections, or obstructions) to verify that the IFC and seals will operate properly. Rectification of all defects<(>,<)> projections, obstructions or tank tolerance limits (exceeding those defined in relevant Standard), which would inhibit proper IFC and seal operation, that are identified by Inspection Company is included in Contractor's scope of work." Installation & Commissioning "Installation of Internal Floating Cover Alongside Negotiatin in the tank: "(ii) Services for installation and commissioning of Aluminium Internal Floating Cover (IFC) with complete necessary accessories in tank T-203 ALONGSIDE INTALLATION OF NEGOTIATING DEVICES. Erection & Installation of finished / pre-fabricated IFC with complete necessary accessories, structure, floats, devices, equipments & others (as mentioned in attached Specifications, and as per requirement etc.) complete in all respect in accordance with API specs (as per all applicable codes & standards) & further in accordance with the Manufacturer recommendation / SOP along with all tool & tackles, attached 'Specifications for Internal Floating Cover' and instructions of PSO engineer. Job also includes trans portation (including loading/unloading) of new material required to carry out the above work. All works required for handling, fixing<(>,<)> installation and testing are included in this item alongside		EA	1		



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3	installation of negotiating devices. Note: a) The internal floating Cover & seals shall be designed to operate in existing tank. b) The Internal Floating Cover shall be designed to accommodate gauging <(>,<)> sampling devices, column & other projections (as per PSO requirement). Contractor shall submit the Erection manual, Bill of Material etc. before execution of Work."					
3.01	<u>Tank Coating and Painting</u> <u>Grit Blasting</u> Grit Blasting Grit blasting (Local or Imported garnet / copper slag) for outer surface of Tank bottom, shell, roof, underground/above ground pipeline, steel structure to near white metal surface to the satisfaction of PSO Engineer completely stain free surface. Follow the standard of surface preparation to Swedish Standard SIS 055900 Sa-2-1/2 or Steel Structures Painting Council SSPC-SP10 (i.e #near white# blasted finish). Any solvent required clean greasy spots to be supplied by the contractor.	<u>PSO House</u>	<u>M2</u>	1,550		
3.02	<u>Painting Works</u> Coating of Tank outer shell, staircase, platforms, pipeline as per specifications attached in Annexure (PSO-PS-01 Rev-0 dated: 30.08.2019). Notes: 1. Color scheme may change as per PSO requirements. 2. Minimum no. of coats and Drying Time to be provided in accordance with paint manufacturer recommendations. 3. Arrangement of Instrument for measurement of paint thickness is included in contractor scope. 4. Contractor to submit technical literature / brochure of paint		<u>M2</u>	950		



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3.03	and obtain prior approval from PSO before procurement of material. Painting Works Coating of Tank outer shell, staircase, platforms, pipeline as per specifications attached in Annexure (PSO-PS-01 Rev-0 dated: 30.08.2019). Notes: 1. Color scheme may change as per PSO requirements. 2. Minimum no. of coats and Drying Time to be provided in accordance with paint manufacturer recommendations. 3. Arrangement of Instrument for measurement of paint thickness is included in contractor scope. 4. Contractor to submit technical literature / brochure of paint and obtain prior approval from PSO before procurement of material		M2	10		
3.04	Application of Epoxy Supply and application of High Build Epoxy Primer of PSO's approved make on the bottom plates, internal structural steel<(>,<)> etc. as per instructions of PSO Engineer to a DFT of 100 microns in a min. of two coats. Job should be done according to applicable codes, standards, as per specifications of Paint manufacturer and as per instructions of PSO Engineer.		M2	330		
3.05	Application of Epoxy Supply and application of High Build Epoxy Finish Coat of PSO's approved make on the bottom plates, internal structural steel, etc. as per instructions of PSO Engineer to a DFT of 250 microns in min. of two coats. Job should be done according to applicable codes, standards, as per specifications of Paint manufacturer and as per instructions of PSO Engineer.		M2	330		
3.06	Mechanical cleaning Mechanical cleaning Mechanical cleaning of external surface of tank shell, allied pipelines, platform, structural supports, etc. as per instructions of PSO engineer. All equipment, material labour required to be provided by the contractor.		M2	5		



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3.07	<u>Application of Epoxy</u> Supply and application of three coats of coal tar epoxy each of 125 microns (of PSO's approved make) on the Bottom Plates, underground Pipeline / Piping etc. as per instructions of PSO engineer. Job should be done according to applicable codes, standards as per specifications of Paint manufacturer and as per instructions of PSO Engineer. The job also includes the supply & application of Epoxy Primer to a DFT of 75 microns of the same manufacturer (compatible to coal tar epoxy) before applying oal tar epoxy as per instructions of PSO engineer.		M2	5		
3.08	<u>Coating of Projection plate</u> Supply and application of Coating on projection plate as per attached specification (PSO-PS-01 Rev-0 dated: 30.08.2019).		M	50		
3.09	<u>Stenciling on Tank wall</u> Stenciling on tank Stenciling on tank covering tank dia, tank height, product capacity, year built, last painted etc. as per instruction of PSO engineer. Paint of approved make in black shade to be supplied by the contractor.		EA	1		
3.10	<u>SUPPLY & INSTALLATION OF NAME PLATE OF R</u> Name plate Supply and installation of SS Name plate as per API 653. Job also includes all requirement for installation on tank.		EA	1		
3.11	<u>Painting Works</u> Coating for tanks roof (outer side), Top railing and allied structure as per specifications attached in Annexure in Painting Specifications (PSO-PS-01). Notes: 1. Color scheme may change as per PSO requirements. 2. Minimum no. of coats and Drying Time to be provided in		M2	270		



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4	accordance with paint manufacturer recommendations. 3. Arrangement of Instrument for measurement of paint thickness is included in contractor scope. 4. Contractor to submit technical literature / brochure of paint and obtain prior approval from PSO before procurement of material. <u>Testing and Calibration of Tank</u>	PSO House	EA	1		
4.01	<u>Vacuum box testing</u> Vacuum box testing of Bottom Vacuum box testing of bottom (after repair of bottom, if required) by vacuum box and soap sud method to detect any leakage. All equipment, tools, material and labor to be provided by the contractor. Vacuum box to be provided by contractor. NOTE: 1 Job includes complete bottom testing after rehabilitation. If partial bottom is required to be done after rehabilitation then reduced payment (quantity) will be paid to the contractor.		EA	1		
4.02	<u>Hydrostatic testing of tank</u> Hydrotesting of Tank Hydrotesting of Tank as per relevant code requirement with clean water having PH value in accordance with API 653. However, if corrosion inhibitors and chemicals are to be used then basis for required quantity and other technical details from manufacturer to be shared with PSO prior to execution of work to ensure quality of water as mentioned above. Water and other chemical (if required) for testing to be provided by contractor. All pump(s), pipeline, arrangements, calibrated testing equipments, tools, material, chemicals and labour to be arranged by the contractor. The job also includes draining the water out of the tank and its proper disposal as per the instruction of PSO Site Engineer.		EA	1		



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DATE	23.07.2026	

REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)

SAP No.6100017531

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

13.08.2026

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: Rehabilitation of Vertical Storage Tank # 203 at KTC With IFC(PMG, Dia: 15.203 M, Height: 13.7 M, 2000 MT)

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	Note: - Cost for water testing to ensure specification of water will be borne by contractor. - Water test will be conducted from reputable lab as per satisfaction of PSO Engineer. - Activity should not cause any hindrance to routine PSO Terminal Operations.					
4.03	<u>Calibration of Tank</u> Calibration of the tank Calibration of the tank by optistrap method any reputable firm. The scope of work also include preparation and submitting of the calibration charts on the specified format after obtaining approval from PAK PWD and other Govt. agencies if required		JOB	1		
4.04	<u>Leak Testing of Nozzles</u> Leak testing of nozzles Pressurized pneumatic leak testing of shell nozzles and reinforcement pads. All equipment and consumables to be provided by the contractor. Testing as per relevant standards.		EA	4		
4.05	<u>Radiographic Testing</u> Radiographic Testing of the tank Radiographic Testing of Tank (wherever required) as per standard and as per satisfaction of PSO Engineer. All arrangement for Radiographic Testing and availability of equipment to be made available by contractor. NOTE: 1 EA includes quantity of film required for T-joints or horizontal / Vertical joints on tank.		EA	4		
4.06	<u>Dye Penetrant Testing of Tank</u>		M	4		



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	Dye Penetrant Testing of Tank / Pipeline (wherever required) as per standard and as per satisfaction of PSO Engineer. All arrangement for Dye Penetrant Testing to be made by contractor.					
4.07	<u>Providing MPI test shell/bottom joints</u>		EA	1		
	Magnetic Particle Testing of Tank (wherever required) as per standard and as per satisfaction of PSO Engineer. All arrangement for Magnetic Particle Inspection and availability of equipment to be made available by contractor.					
4.08	<u>Oil Penetrant Testing</u>		JOB	1		
	Oil Penetration testing of tank Shell-Bottom joint (root). All equipment and consumables to be provided by the contractor. 1 Job includes complete shell-bottom joint testing. If partial testing is required, then reduced payment (quantity) will be paid to the contractor accordingly. Testing as per relevant standards.					
4.09	<u>Radiographic Testing</u>		EA	2		
	Radiographic Testing of Tank / Pipeline (wherever required) as per standard and as per satisfaction of PSO Engineer. All arrangement for Radiographic Testing and availability of equipment to be made available by contractor. NOTE: 1 EA includes quantity of film required for T-joints or horizontal / Vertical joints on tank. "					
	06 inch					
4.10	<u>Radiographic Testing</u>		EA	2		
	Radiographic Testing of Tank / Pipeline (wherever required) as per standard and as per satisfaction of PSO Engineer. All arrangement for Radiographic Testing and availability of equipment to be made available by contractor. NOTE: 1 EA includes quantity of film required for T-joints or horizontal / Vertical joints on tank. "					
	04 inch					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5	<u>Mechanical Works for pipelines</u>	<u>PSO House</u>				
5.01	<u>Cutting / Removal of Pipelines 12" dia</u> Cutting, removal and transportation of existing above ground / underground pipeline / pipings and pipe fittings etc. From site within the PSO terminal and stacking the same in position for safe store-keeping within the depot premises as per sizes below: 12" dia		M	1		
5.02	<u>Cutting / Removal of Pipelines 10" dia</u> Cutting, removal and transportation of existing above ground / underground pipeline / pipings and pipe fittings etc. From site within the PSO Installation and stacking the same in position for safe store-keeping within the Installation premises. Note: The pipeline shall be cut generally in approx. 12 lengths. However the length maximum be cut in shorter lengths as per requirement. 10" dia		M	1		
5.03	<u>Cutting / Removal of Pipelines 8" dia</u> Cutting, removal and transportation of existing above ground / underground pipeline / pipings and pipe fittings etc. From site within the PSO Installation and stacking the same in position for safe store-keeping within the Installation premises. Note: The pipeline shall be cut generally in approx. 12 lengths. However the length maximum be cut in shorter lengths as per requirement. 08" dia		M	12		
5.04	<u>Cutting / Removal of Pipelines 6" dia</u> Cutting, removal and transportation of existing above ground /		M	6		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.05	underground pipeline / pipings and pipe fittings etc. From site within the PSO Installation and stacking the same in position for safe store-keeping within the Installation premises. Note: The pipeline shall be cut generally in approx. 12 lengths. However the length maximum be cut in shorter lengths as per requirement. 06" dia Cutting / Removal of Pipelines 4" dia Cutting, removal and transportation of existing above ground / underground pipeline / pipings and pipe fittings etc. From site within the PSO Installation and stacking the same in position for safe store-keeping within the Installation premises. Note: The pipeline shall be cut generally in approx. 12 lengths. However the length maximum be cut in shorter lengths as per requirement.		M	12		
5.06	04" dia Cutting / Removal of Pipelines 3" dia Cutting, removal and transportation of existing above ground / underground pipeline / pipings and pipe fittings etc. From site within the PSO Installation and stacking the same in position for safe store-keeping within the Installation premises. Note: The pipeline shall be cut generally in approx. 12 lengths. However the length maximum be cut in shorter lengths as per requirement.		M	6		
5.07	03" dia Cutting / Removal of Pipelines 2" dia Cutting, removal and transportation of existing above ground / underground pipeline / pipings and pipe fittings etc. From site within the PSO Installation and stacking the same in position for safe		M	1		



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5.08	store-keeping within the Installation premises. Note: The pipeline shall be cut generally in approx. 12 lengths. However the length maximum be cut in shorter lengths as per requirement. 02" dia Cutting / Removal of Pipelines 1" dia Cutting, removal and transportation of existing above ground / underground pipeline / pipings and pipe fittings etc. From site within the PSO Installation and stacking the same in position for safe store-keeping within the Installation premises. Note: The pipeline shall be cut generally in approx. 12 lengths. However the length maximum be cut in shorter lengths as per requirement. 01" dia Cutting / Removal of Pipelines 3/4" dia Cutting, removal and transportation of existing above ground / underground pipeline / pipings and pipe fittings etc. From site within the PSO Installation and stacking the same in position for safe store-keeping within the Installation premises. Note: The pipeline shall be cut generally in approx. 12 lengths. However the length maximum be cut in shorter lengths as per requirement. 3/4" dia Cutting / Removal of Pipelines 1/2" dia Cutting, removal and transportation of existing above ground / underground pipeline / pipings and pipe fittings etc. From site within the PSO Installation and stacking the same in position for safe store-keeping within the Installation premises.		M	12		
5.09			M	12		
5.10			M	12		



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	Note: The pipeline shall be cut generally in approx. 12 lengths. However the length maximum be cut in shorter lengths as per requirement.					
5.11	1/2" dia Shifting and Placing of Pipes 12" dia Shifting and placing CS pipes & fittings in position underground, aboveground pipe for welding or screwing, as per sizes below:		M	1		
5.12	12" dia Shifting and Placing of Pipes 10" dia Shifting and placing CS pipes & fittings in position underground, aboveground pipe for welding or screwing, as per sizes below:		M	1		
5.13	10" dia Shifting and Placing of Pipes 8" dia Shifting and placing CS pipes & fittings in position underground, aboveground pipe for welding or screwing, as per sizes below:		M	12		
5.14	08" dia Shifting and Placing of Pipes 6" dia Shifting and placing CS pipes & fittings in position underground, aboveground pipe for welding or screwing, as per sizes below:		M	120		
5.15	06" dia Shifting and Placing of Pipes 4" dia Shifting and placing CS pipes & fittings in position underground, aboveground pipe for welding or screwing, as per sizes below:		M	30		
5.16	04" dia Shifting and Placing of Pipes 3" dia Shifting and placing CS pipes & fittings in position underground, aboveground pipe for welding or screwing, as per sizes below:		M	2		
	03" dia					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.17	<u>Shifting and Placing of Pipes 2" dia</u> Shifting and placing CS pipes & fittings in position underground, aboveground pipe for welding or screwing, as per sizes below: 02" dia		M	1		
5.18	<u>Shifting and Placing of Pipes 1" dia</u> Shifting and placing CS pipes & fittings in position underground, aboveground pipe for welding or screwing, as per sizes below: 01" dia		M	12		
5.19	<u>Shifting and Placing of Pipes 3/4" dia</u> Shifting and placing CS pipes & fittings in position underground, aboveground pipe for welding or screwing, as per sizes below: 3/4" dia		M	12		
5.20	<u>Shifting and Placing of Pipes 1/2" dia</u> Shifting and placing CS pipes & fittings in position underground, aboveground pipe for welding or screwing, as per sizes below: 1/2" dia		M	12		
5.21	<u>Making weld joints of Pipes 12" dia</u> Making weld / thread joints as per ASME B 31.3 and API 1104 in CS pipe in joining pipe lengths and in welded pipe fittings such as flanges, bends, elbows, reducers tees etc. The job includes beveling, preparation of threads in piping (for threaded piping), cold cutting or flame cutting, grinding etc. All welding to be in accordance with relevant standard & done using specified welding procedures: Note: 1) The welding of both the faces of S.O. R.F. flanges will be considered as one welding joint. 2) The welding joints also includes the toe- connections in the pipelines. Branch pipe connection will be considered for welding joint.		EA	1		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.22	3) The job also includes Radiography of weld joints as per Standard (at least 10%). Contractor has to arrange PSO approved inspection company for radiography and all charges for job will be borne by the contractor. 12" dia Making weld joints of Pipes 10" dia Making weld / thread joints as per ASME B 31.3 and API 1104 in CS pipe in joining pipe lengths and in welded pipe fittings such as flanges, bends, elbows, reducers tees etc. The job includes beveling, preparation of threads in piping (for threaded piping), cold cutting or flame cutting, grinding etc. All welding to be in accordance with relevant standard & done using specified welding procedures: Note: 1) The welding of both the faces of S.O. R.F. flanges will be considered as one welding joint. 2) The welding joints also includes the toe- connections in the pipelines. Branch pipe connection will be considered for welding joint. 3) The job also includes Radiography of weld joints as per Standard (at least 10%). Contractor has to arrange PSO approved inspection company for radiography and all charges for job will be borne by the contractor.		EA	1		
5.23	10 dia Making weld joints of Pipes 8" dia Making weld / thread joints as per ASME B 31.3 and API 1104 in CS pipe in joining pipe lengths and in welded pipe fittings such as flanges, bends, elbows, reducers tees etc. The job includes beveling, preparation of threads in piping (for threaded piping), cold cutting or flame cutting, grinding etc. All welding to be in accordance with relevant standard & done using specified welding procedures:		EA	6		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.24	Note: 1) The welding of both the faces of S.O. R.F. flanges will be considered as one welding joint. 2) The welding joints also includes the toe- connections in the pipelines. Branch pipe connection will be considered for welding joint. 3) The job also includes Radiography of weld joints as per Standard (at least 10%). Contractor has to arrange PSO approved inspection company for radiography and all charges for job will be borne by the contractor. 08 dia <u>Making weld joints of Pipes 6" dia</u> Making weld / thread joints as per ASME B 31.3 and API 1104 in CS pipe in joining pipe lengths and in welded pipe fittings such as flanges, bends, elbows, reducers tees etc. The job includes beveling, preparation of threads in piping (for threaded piping), cold cutting or flame cutting, grinding etc. All welding to be in accordance with relevant standard & done using specified welding procedures: Note: 1) The welding of both the faces of S.O. R.F. flanges will be considered as one welding joint. 2) The welding joints also includes the toe- connections in the pipelines. Branch pipe connection will be considered for welding joint. 3) The job also includes Radiography of weld joints as per Standard (at least 10%). Contractor has to arrange PSO approved inspection company for radiography and all charges for job will be borne by the contractor. 06" dia <u>Making weld joints of Pipes 4" dia</u> Making weld / thread joints as per ASME B 31.3 and API 1104 in CS pipe in joining pipe lengths and in welded pipe fittings such as flanges, bends, elbows, reducers tees etc. The job includes beveling, preparation		EA	53		
5.25			EA	28		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.26	of threads in piping (for threaded piping), cold cutting or flame cutting, grinding etc. All welding to be in accordance with relevant standard & done using specified welding procedures: Note: 1) The welding of both the faces of S.O. R.F. flanges will be considered as one welding joint. 2) The welding joints also includes the toe- connections in the pipelines. Branch pipe connection will be considered for welding joint. 3) The job also includes Radiography of weld joints as per Standard (at least 10%). Contractor has to arrange PSO approved inspection company for radiography and all charges for job will be borne by the contractor. 04" dia Making weld joints of Pipes 3" dia Making weld / thread joints as per ASME B 31.3 and API 1104 in CS pipe in joining pipe lengths and in welded pipe fittings such as flanges, bends, elbows, reducers tees etc. The job includes beveling, preparation of threads in piping (for threaded piping), cold cutting or flame cutting, grinding etc. All welding to be in accordance with relevant standard & done using specified welding procedures: Note: 1) The welding of both the faces of S.O. R.F. flanges will be considered as one welding joint. 2) The welding joints also includes the toe- connections in the pipelines. Branch pipe connection will be considered for welding joint. 3) The job also includes Radiography of weld joints as per Standard (at least 10%). Contractor has to arrange PSO approved inspection company for radiography and all charges for job will be borne by the contractor.		EA	6		



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5.27	03" dia <u>Making weld joints of Pipes 2" dia</u> Making weld / thread joints as per ASME B 31.3 and API 1104 in CS pipe in joining pipe lengths and in welded pipe fittings such as flanges, bends, elbows, reducers tees etc. The job includes beveling, preparation of threads in piping (for threaded piping), cold cutting or flame cutting, grinding etc. All welding to be in accordance with relevant standard & done using specified welding procedures: Note: 1) The welding of both the faces of S.O. R.F. flanges will be considered as one welding joint. 2) The welding joints also includes the toe- connections in the pipelines. Branch pipe connection will be considered for welding joint. 3) The job also includes Radiography of weld joints as per Standard (at least 10%). Contractor has to arrange PSO approved inspection company for radiography and all charges for job will be borne by the contractor.		EA	1		
5.28	02" dia <u>Making weld joints of Pipes 1" dia</u> Making weld / thread joints as per ASME B 31.3 and API 1104 in CS pipe in joining pipe lengths and in welded pipe fittings such as flanges, bends, elbows, reducers tees etc. The job includes beveling, preparation of threads in piping (for threaded piping), cold cutting or flame cutting, grinding etc. All welding to be in accordance with relevant standard & done using specified welding procedures: Note: 1) The welding of both the faces of S.O. R.F. flanges will be considered as one welding joint. 2) The welding joints also includes the toe- connections in the pipelines. Branch pipe connection will be considered for welding joint.		EA	20		



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5.29	3) The job also includes Radiography of weld joints as per Standard (at least 10%). Contractor has to arrange PSO approved inspection company for radiography and all charges for job will be borne by the contractor. 1" dia <u>Making weld joints of Pipes 3/4" dia</u> Making weld / thread joints as per ASME B 31.3 and API 1104 in CS pipe in joining pipe lengths and in welded pipe fittings such as flanges, bends, elbows, reducers tees etc. The job includes beveling, preparation of threads in piping (for threaded piping), cold cutting or flame cutting, grinding etc. All welding to be in accordance with relevant standard & done using specified welding procedures: Note: 1) The welding of both the faces of S.O. R.F. flanges will be considered as one welding joint. 2) The welding joints also includes the toe- connections in the pipelines. Branch pipe connection will be considered for welding joint. 3) The job also includes Radiography of weld joints as per Standard (at least 10%). Contractor has to arrange PSO approved inspection company for radiography and all charges for job will be borne by the contractor.		EA	10		
5.30	3/4" dia <u>Making weld joints of Pipes 1/2" dia</u> Making weld / thread joints as per ASME B 31.3 and API 1104 in CS pipe in joining pipe lengths and in welded pipe fittings such as flanges, bends, elbows, reducers tees etc. The job includes beveling, preparation of threads in piping (for threaded piping), cold cutting or flame cutting, grinding etc. All welding to be in accordance with relevant standard & done using specified welding procedures: Note:		EA	50		



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5.31	1) The welding of both the faces of S.O. R.F. flanges will be considered as one welding joint. 2) The welding joints also includes the toe- connections in the pipelines. Branch pipe connection will be considered for welding joint. 3) The job also includes Radiography of weld joints as per Standard (at least 10%). Contractor has to arrange PSO approved inspection company for radiography and all charges for job will be borne by the contractor. 1/2" dia Bolting flanged joints in Pipes 24" dia Bolting-up flanged joints in pipelines / pipings with gaskets in between flanges , as per sizes below. Gaskets will be provided by the contractor. RATES SHOULD INCLUDE COST OF GASKET RINGS (150 #, 3mm Thick Compressed Graphite filled, Spiral Wound 304 S.S. Central Ring per ASME B 16.20), STUD BOLTS with washers (studs with 2 nuts as per ANSI B 16.5, Stud Material A 193 Gr. B7 & Nuts Material A194 Gr 2H) and of specified standards & ratings as per sizes given below:		EA	1		
5.32	24" dia Bolting flanged joints in Pipes 20" dia Bolting-up flanged joints in pipelines / pipings with gaskets in between flanges , as per sizes below. Gaskets will be provided by the contractor. RATES SHOULD INCLUDE COST OF GASKET RINGS (150 #, 3mm Thick Compressed Graphite filled, Spiral Wound 304 S.S. Central Ring per ASME B 16.20), STUD BOLTS with washers (studs with 2 nuts as per ANSI B 16.5, Stud Material A 193 Gr. B7 & Nuts Material A194 Gr 2H) and of specified standards & ratings as per sizes given below:		EA	1		
5.33	20" dia Bolting flanged joints in Pipes 12" dia Bolting-up flanged joints in pipelines / pipings with gaskets in between flanges , as per sizes below. Gaskets will be provided by the		EA	10		



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Company PSO Dummy Vendor
PAKISTAN

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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.34	contractor. RATES SHOULD INCLUDE COST OF GASKET RINGS (150 #, 3mm Thick Compressed Graphite filled, Spiral Wound 304 S.S. Central Ring per ASME B 16.20), STUD BOLTS with washers (studs with 2 nuts as per ANSI B 16.5, Stud Material A 193 Gr. B7 & Nuts Material A194 Gr 2H) and of specified standards & ratings as per sizes given below: 12" dia Bolting flanged joints in Pipes 10" dia Bolting-up flanged joints in pipelines / pipings with gaskets in between flanges , as per sizes below. Gaskets will be provided by the contractor. RATES SHOULD INCLUDE COST OF GASKET RINGS (150 #, 3mm Thick Compressed Graphite filled, Spiral Wound 304 S.S. Central Ring per ASME B 16.20), STUD BOLTS with washers (studs with 2 nuts as per ANSI B 16.5, Stud Material A 193 Gr. B7 & Nuts Material A194 Gr 2H) and of specified standards & ratings as per sizes given below: 10" dia		EA	1		
5.35	Bolting flanged joints in Pipes 8" dia Bolting-up flanged joints in pipelines / pipings with gaskets in between flanges , as per sizes below. Gaskets will be provided by the contractor. RATES SHOULD INCLUDE COST OF GASKET RINGS (150 #, 3mm Thick Compressed Graphite filled, Spiral Wound 304 S.S. Central Ring per ASME B 16.20), STUD BOLTS with washers (studs with 2 nuts as per ANSI B 16.5, Stud Material A 193 Gr. B7 & Nuts Material A194 Gr 2H) and of specified standards & ratings as per sizes given below: 08" dia		EA	10		
5.36	Bolting flanged joints in Pipes 6" dia Bolting-up flanged joints in pipelines / pipings with gaskets in between		EA	14		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.37	flanges , as per sizes below. Gaskets will be provided by the contractor. RATES SHOULD INCLUDE COST OF GASKET RINGS (150 #, 3mm Thick Compressed Graphite filled, Spiral Wound 304 S.S. Central Ring per ASME B 16.20), STUD BOLTS with washers (studs with 2 nuts as per ANSI B 16.5, Stud Material A 193 Gr. B7 & Nuts Material A194 Gr 2H) and of specified standards & ratings as per sizes given below: 06" dia Bolting flanged joints in Pipes 4" dia		EA	11		
5.38	Bolting-up flanged joints in pipelines / pipings with gaskets in between flanges , as per sizes below. Gaskets will be provided by the contractor. RATES SHOULD INCLUDE COST OF GASKET RINGS (150 #, 3mm Thick Compressed Graphite filled, Spiral Wound 304 S.S. Central Ring per ASME B 16.20), STUD BOLTS with washers (studs with 2 nuts as per ANSI B 16.5, Stud Material A 193 Gr. B7 & Nuts Material A194 Gr 2H) and of specified standards & ratings as per sizes given below: 04" dia Bolting flanged joints in Pipes 3" dia		EA	4		
5.39	Bolting-up flanged joints in pipelines / pipings with gaskets in between flanges , as per sizes below. Gaskets will be provided by the contractor. RATES SHOULD INCLUDE COST OF GASKET RINGS (150 #, 3mm Thick Compressed Graphite filled, Spiral Wound 304 S.S. Central Ring per ASME B 16.20), STUD BOLTS with washers (studs with 2 nuts as per ANSI B 16.5, Stud Material A 193 Gr. B7 & Nuts Material A194 Gr 2H) and of specified standards & ratings as per sizes given below: 03" dia Bolting flanged joints in Pipes 2" dia		EA	2		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.40	Bolting-up flanged joints in pipelines / pipings with gaskets in between flanges , as per sizes below. Gaskets will be provided by the contractor. RATES SHOULD INCLUDE COST OF GASKET RINGS (150 #, 3mm Thick Compressed Graphite filled, Spiral Wound 304 S.S. Central Ring per ASME B 16.20), STUD BOLTS with washers (studs with 2 nuts as per ANSI B 16.5, Stud Material A 193 Gr. B7 & Nuts Material A194 Gr 2H) and of specified standards & ratings as per sizes given below: 02" dia <u>Bolting flanged joints in Pipes 1" dia</u> Bolting-up flanged joints in pipelines / pipings with gaskets in between flanges , as per sizes below. Gaskets will be provided by the contractor. RATES SHOULD INCLUDE COST OF GASKET RINGS (150 #, 3mm Thick Compressed Graphite filled, Spiral Wound 304 S.S. Central Ring per ASME B 16.20), STUD BOLTS with washers (studs with 2 nuts as per ANSI B 16.5, Stud Material A 193 Gr. B7 & Nuts Material A194 Gr 2H) and of specified standards & ratings as per sizes given below: 1" dia		EA	10		
5.41	<u>Bolting flanged joints in Pipes 3/4" dia</u> Bolting-up flanged joints in pipelines / pipings with gaskets in between flanges , as per sizes below. Gaskets will be provided by the contractor. RATES SHOULD INCLUDE COST OF GASKET RINGS (150 #, 3mm Thick Compressed Graphite filled, Spiral Wound 304 S.S. Central Ring per ASME B 16.20), STUD BOLTS with washers (studs with 2 nuts as per ANSI B 16.5, Stud Material A 193 Gr. B7 & Nuts Material A194 Gr 2H) and of specified standards & ratings as per sizes given below: 3/4" dia		EA	5		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.42	Bolting flanged joints in Pipes ½" dia Bolting-up flanged joints in pipelines / pipings with gaskets in between flanges , as per sizes below. Gaskets will be provided by the contractor. RATES SHOULD INCLUDE COST OF GASKET RINGS (150 #, 3mm Thick Compressed Graphite filled, Spiral Wound 304 S.S. Central Ring per ASME B 16.20), STUD BOLTS with washers (studs with 2 nuts as per ANSI B 16.5, Stud Material A 193 Gr. B7 & Nuts Material A194 Gr 2H) and of specified standards & ratings as per sizes given below: 1/2" dia		EA	5		
5.43	Unbolting of flanged joints Unbolting flanged joints in pipelines / pipings as per sizes below. 12" dia		EA	10		
5.44	Unbolting of flanged joints Unbolting flanged joints in pipelines / pipings as per sizes below. 10" dia		EA	1		
5.45	Unbolting of flanged joints Unbolting flanged joints in pipelines / pipings as per sizes below. 8" dia		EA	10		
5.46	Unbolting of flanged joints Unbolting flanged joints in pipelines / pipings as per sizes below. 6" dia		EA	6		
5.47	Unbolting of flanged joints Unbolting flanged joints in pipelines / pipings as per sizes below. 4" dia		EA	10		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.48	<u>Unbolting of flanged joints</u> Unbolting flanged joints in pipelines / pipings as per sizes below. 3" dia		EA	1		
5.49	<u>Unbolting of flanged joints</u> Unbolting flanged joints in pipelines / pipings as per sizes below. 2" dia		EA	1		
5.50	<u>Unbolting of flanged joints</u> Unbolting flanged joints in pipelines / pipings as per sizes below. 1" dia		EA	5		
5.51	<u>Unbolting of flanged joints</u> Unbolting flanged joints in pipelines / pipings as per sizes below. 3/4" dia		EA	5		
5.52	<u>Unbolting of flanged joints</u> Unbolting flanged joints in pipelines / pipings as per sizes below. 1/2" dia		EA	2		
5.53	<u>Installation & Removal</u> Placing and removing in position in pipelines / pipings, all ratings / class flanged end or screwed end valves of all types (cast steel / forged steel body gate valve, ball valve, globe valve, check valve with flapper seat of stainless steel type), gauges, strainers, foot valve<(> ,<)> flow inductors, sprinklers, fire water monitors, fire water hydrants<(> ,<)> water spray nozzles, expansion joints, meters or other similar liquid		EA	1		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.54	flow control devices having flanged ends or screwed ends as per sizes given below. The job does not include bolting up of flange joints but includes loading transporting and unloading at site all valves etc. 12" dia Installation & Removal Placing and removing in position in pipelines / pipings, all ratings / class flanged end or screwed end valves of all types (cast steel / forged steel body gate valve, ball valve, globe valve, check valve with flapper seat of stainless steel type), gauges, strainers, foot valve<(> ,<)> flow inductors, sprinklers, fire water monitors, fire water hydrants<(> ,<)> water spray nozzles, expansion joints, meters or other similar liquid flow control devices having flanged ends or screwed ends as per sizes given below. The job does not include bolting up of flange joints but includes loading transporting and unloading at site all valves etc.		EA	1		
5.55	10" dia Installation & Removal Placing and removing in position in pipelines / pipings, all ratings / class flanged end or screwed end valves of all types (cast steel / forged steel body gate valve, ball valve, globe valve, check valve with flapper seat of stainless steel type), gauges, strainers, foot valve<(> ,<)> flow inductors, sprinklers, fire water monitors, fire water hydrants<(> ,<)> water spray nozzles, expansion joints, meters or other similar liquid flow control devices having flanged ends or screwed ends as per sizes given below. The job does not include bolting up of flange joints but includes loading transporting and unloading at site all valves etc.		EA	6		
	8" dia					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.56	<u>Instalation & Removal</u> Placing and removing in position in pipelines / pipings, all ratings / class flanged end or screwed end valves of all types (cast steel / forged steel body gate valve, ball valve, globe valve, check valve with flapper seat of stainless steel type), gauges, strainers, foot valve<(> ,<)> flow inductors, sprinklers, fire water monitors, fire water hydrants<(> ,<)> water spray nozzles, expansion joints, meters or other similar liquid flow control devices having flanged ends or screwed ends as per sizes given below. The job does not include bolting up of flange joints but includes loading transporting and unloading at site all valves etc. 6" dia		EA	1		
5.57	<u>Instalation & Removal</u> Placing and removing in position in pipelines / pipings, all ratings / class flanged end or screwed end valves of all types (cast steel / forged steel body gate valve, ball valve, globe valve, check valve with flapper seat of stainless steel type), gauges, strainers, foot valve<(> ,<)> flow inductors, sprinklers, fire water monitors, fire water hydrants<(> ,<)> water spray nozzles, expansion joints, meters or other similar liquid flow control devices having flanged ends or screwed ends as per sizes given below. The job does not include bolting up of flange joints but includes loading transporting and unloading at site all valves etc. 4" dia		EA	2		
5.58	<u>Instalation & Removal</u> Placing and removing in position in pipelines / pipings, all ratings / class flanged end or screwed end valves of all types (cast steel / forged steel body gate valve, ball valve, globe valve, check valve with flapper seat of stainless steel type), gauges, strainers, foot valve<(>		EA	1		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.59	,<)> flow inductors, sprinklers, fire water monitors, fire water hydrants<(> ,<)> water spray nozzles, expansion joints, meters or other similar liquid flow control devices having flanged ends or screwed ends as per sizes given below. The job does not include bolting up of flange joints but includes loading transporting and unloading at site all valves etc. 3" dia Installation & Removal Placing and removing in position in pipelines / pipings, all ratings / class flanged end or screwed end valves of all types (cast steel / forged steel body gate valve, ball valve, globe valve, check valve with flapper seat of stainless steel type), gauges, strainers, foot valve<(> ,<)> flow inductors, sprinklers, fire water monitors, fire water hydrants<(> ,<)> water spray nozzles, expansion joints, meters or other similar liquid flow control devices having flanged ends or screwed ends as per sizes given below. The job does not include bolting up of flange joints but includes loading transporting and unloading at site all valves etc. 2" dia		EA	2		
5.60	Installation & Removal Placing and removing in position in pipelines / pipings, all ratings / class flanged end or screwed end valves of all types (cast steel / forged steel body gate valve, ball valve, globe valve, check valve with flapper seat of stainless steel type), gauges, strainers, foot valve, flow inductors, sprinklers, fire water monitors, fire water hydrants, water spray nozzles, expansion joints, meters or other similar liquid flow control devices having flanged ends or screwed ends as per sizes given below. The job does not include bolting up of flange joints but includes loading transporting and unloading at site all valves etc. 1"		EA	5		



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5.61	dia <u>Installation & Removal</u> Placing and removing in position in pipelines / pipings, all ratings / class flanged end or screwed end valves of all types (cast steel / forged steel body gate valve, ball valve, globe valve, check valve with flapper seat of stainless steel type), gauges, strainers, foot valve<(> ,<)> flow inductors, sprinklers, fire water monitors, fire water hydrants<(> ,<)> water spray nozzles, expansion joints, meters or other similar liquid flow control devices having flanged ends or screwed ends as per sizes given below. The job does not include bolting up of flange joints but includes loading transporting and unloading at site all valves etc. 3/4" dia		EA	5		
5.62	<u>Installation & Removal</u> Placing and removing in position in pipelines / pipings, all ratings / class flanged end or screwed end valves of all types (cast steel / forged steel body gate valve, ball valve, globe valve, check valve with flapper seat of stainless steel type), gauges, strainers, foot valve<(> ,<)> flow inductors, sprinklers, fire water monitors, fire water hydrants<(> ,<)> water spray nozzles, expansion joints, meters or other similar liquid flow control devices having flanged ends or screwed ends as per sizes given below. The job does not include bolting up of flange joints but includes loading transporting and unloading at site all valves etc. 1/2" dia		EA	50		
5.63	<u>Dip hatch cover 6" dia</u> Supply and installation of Dip hatch covers of 6" dia in aluminum casting.		EA	2		



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5.64	<u>Flame Cutting /Cold Cutting of Pipe</u> Cold Cutting by means of standard mechanical tool for cutting of pipeline carrying hazardous product of existing above ground/underground pipeline and pipe fittings etc. within the PSO terminal premises. Contractor will ensure compliance to HSE requirement as per PSO requirements. 08" dia		EA	1		
5.65	<u>Flame Cutting /Cold Cutting of Pipe</u> Cold Cutting by means of standard mechanical tool for cutting of pipeline carrying hazardous product of existing above ground/underground pipeline and pipe fittings etc. within the PSO terminal premises. Contractor will ensure compliance to HSE requirement as per PSO requirements. 06" dia		EA	1		
5.66	<u>Flame Cutting /Cold Cutting of Pipe</u> Cold Cutting by means of standard mechanical tool for cutting of pipeline carrying hazardous product of existing above ground/underground pipeline and pipe fittings etc. within the PSO terminal premises. Contractor will ensure compliance to HSE requirement as per PSO requirements. 04" dia		EA	1		
5.67	<u>Hydrostatic testing of Pipe 8" dia</u> Hydrostatic testing of complete piping system including product loading, decanting piping etc., as per API. 1110 (recommended practice for the pressure testing of liquid petroleum pipelines) and ASME B31.3. All piping, testing equipment and labour to be arranged by the contractor. Water for hydrostatic testing to be arranged by the contractor. Hydrotesting activity may have to be carried out in different phases as per site requirements i.e. underground lines before being buried etc. Rates should be quoted accordingly for testing of complete piping		M	12		



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5.68	system. 08" dia Hydrostatic testing of Pipe 6" dia Hydrostatic testing of complete piping system including product loading, decanting piping etc., as per API. 1110 (recommended practice for the pressure testing of liquid petroleum pipelines) and ASME B31.3. All piping, testing equipment and labour to be arranged by the contractor. Water for hydrostatic testing to be arranged by the contractor. Hydrotesting activity may have to be carried out in different phases as per site requirements i.e. underground lines before being buried etc. Rates should be quoted accordingly for testing of complete piping system.		M	120		
5.69	06" dia Hydrostatic testing of Pipe 4" dia Hydrostatic testing of complete piping system including product loading, decanting piping etc., as per API. 1110 (recommended practice for the pressure testing of liquid petroleum pipelines) and ASME B31.3. All piping, testing equipment and labour to be arranged by the contractor. Water for hydrostatic testing to be arranged by the contractor. Hydrotesting activity may have to be carried out in different phases as per site requirements i.e. underground lines before being buried etc. Rates should be quoted accordingly for testing of complete piping system.		M	30		
5.70	04" dia Hydrostatic testing of Pipe 3" dia Hydrostatic testing of complete piping system including product loading, decanting piping etc., as per API. 1110 (recommended practice for the pressure testing of liquid petroleum pipelines) and ASME B31.3. All piping, testing equipment and labour to be arranged by the contractor. Water for hydrostatic testing to be arranged by the contractor. Hydrotesting activity may have to be carried out in different phases as per site requirements i.e. underground lines before being buried etc.		M	2		



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(THIS IS PRICE ENQUIRY-NOT AN ORDER)

SAP No.6100017531

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

13.08.2026

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: Rehabilitation of Vertical Storage Tank # 203 at KTC With IFC(PMG, Dia: 15.203 M, Height: 13.7 M, 2000 MT)

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.71	Rates should be quoted accordingly for testing of complete piping system. 03" dia Hydrostatic testing of Pipe 2" dia Hydrostatic testing of complete piping system including product loading, decanting piping etc., as per API. 1110 (recommended practice for the pressure testing of liquid petroleum pipelines) and ASME B31.3. All piping, testing equipment and labour to be arranged by the contractor. Water for hydrostatic testing to be arranged by the contractor. Hydrotesting activity may have to be carried out in different phases as per site requirements i.e. underground lines before being buried etc. Rates should be quoted accordingly for testing of complete piping system.		M	1		
5.72	02" dia Unbolting of flanged joints Unbolting flanged joints in pipelines / pipings as per sizes below.		EA	1		
5.73	24" dia Unbolting of flanged joints Unbolting flanged joints in pipelines / pipings as per sizes below.		EA	1		
6	20" dia PIPE CS 12" DIA SCH-40 (ERW) CS Pipe, Beveled end, API 5L Gr. B PSL-1 (ERW/SAW/SMLS) as per ANSI B 36.10. Single Random length. Standard Compliance: 1) API 5 L Latest edition 2) All materials properties and parameters shall conform to minimum requirement of API 5L, PSL 1 Pipeline 3) All test shall be performed and results shall conform to minimum requirement of API 5 L PSL 1.	Keamari Terminal	M	1		



Pakistan State Oil Company Limited

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7	4) Documentation support i.e. MTC, ISO certificate, API certificate etc to be furnished / provided by contractor for PSO review / approval before shipment of material to requisite site. Certification: 1) Manufacturer must have a valid API 5L certificate with active status on the API composite List. 2) Manufacturer must be an API certificate holder for the last 5 years minimum. " 12" dia Sch 40 PIPE CS 10" DIA SCH-40 (ERW) CS Pipe, Beveled end, API 5L Gr. B PSL-1 (ERW/SAW/SMLS) as per ANSI B 36.10. Single Random length. Standard Compliance: 1) API 5 L Latest edition 2) All materials properties and parameters shall conform to minimum requirement of API 5L, PSL 1 Pipeline 3) All test shall be performed and results shall conform to minimum requirement of API 5 L PSL 1. 4) Documentation support i.e. MTC, ISO certificate, API certificate etc to be furnished / provided by contractor for PSO review / approval before shipment of material to requisite site. Certification: 1) Manufacturer must have a valid API 5L certificate with active status on the API composite List. 2) Manufacturer must be an API certificate holder for the last 5 years minimum. " 10" dia Sch 40 PIPE CS 8" DIA SCH-40 (ERW) CS Pipe, Beveled end, API 5L Gr. B PSL-1 (ERW/SAW/SMLS) as per ANSI B 36.10. Single Random length. Standard Compliance: 1) API 5 L Latest edition 2) All materials properties and parameters shall conform to	Keamari Terminal	M	1		
8		Keamari Terminal	M	12		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
9	minimum requirement of API 5L, PSL 1 Pipeline 3) All test shall be performed and results shall conform to minimum requirement of API 5 L PSL 1. 4) Documentation support i.e. MTC, ISO certificate, API certificate etc to be furnished / provided by contractor for PSO review / approval before shipment of material to requisite site. Certification: 1) Manufacturer must have a valid API 5L certificate with active status on the API composite List. 2) Manufacturer must be an API certificate holder for the last 5 years minimum. " 08" dia Sch 40 <u>PIPE CS 6" DIA SCH-40 (ERW)</u> CS Pipe, Beveled end, API 5L Gr. B PSL-1 (ERW/SAW/SMLS) as per ANSI B 36.10. Single Random length. Standard Compliance: 1) API 5 L Latest edition 2) All materials properties and parameters shall conform to minimum requirement of API 5L, PSL 1 Pipeline 3) All test shall be performed and results shall conform to minimum requirement of API 5 L PSL 1. 4) Documentation support i.e. MTC, ISO certificate, API certificate etc to be furnished / provided by contractor for PSO review / approval before shipment of material to requisite site. Certification: 1) Manufacturer must have a valid API 5L certificate with active status on the API composite List. 2) Manufacturer must be an API certificate holder for the last 5 years minimum. " 06" dia Sch 40 <u>PIPE CS 4" DIA SCH-40 (ERW)</u> CS Pipe, Beveled end, API 5L Gr. B PSL-1	<u>Keamari Terminal</u>	M	120		
10	06" dia Sch 40 <u>PIPE CS 4" DIA SCH-40 (ERW)</u> CS Pipe, Beveled end, API 5L Gr. B PSL-1	<u>Keamari Terminal</u>	M	30		



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11	(ERW/SAW/SMLS) as per ANSI B 36.10. Single Random length. Standard Compliance: 1) API 5 L Latest edition 2) All materials properties and parameters shall conform to minimum requirement of API 5L, PSL 1 Pipeline 3) All test shall be performed and results shall conform to minimum requirement of API 5 L PSL 1. 4) Documentation support i.e. MTC, ISO certificate, API certificate etc to be furnished / provided by contractor for PSO review / approval before shipment of material to requisite site. Certification: 1) Manufacturer must have a valid API 5L certificate with active status on the API composite List. 2) Manufacturer must be an API certificate holder for the last 5 years minimum. " 04" dia Sch 40 PIPE CS 3" DIA SCH-40 (ERW) CS Pipe, Beveled end, API 5L Gr. B PSL-1 (ERW/SAW/SMLS) as per ANSI B 36.10. Single Random length. Standard Compliance: 1) API 5 L Latest edition 2) All materials properties and parameters shall conform to minimum requirement of API 5L, PSL 1 Pipeline 3) All test shall be performed and results shall conform to minimum requirement of API 5 L PSL 1. 4) Documentation support i.e. MTC, ISO certificate, API certificate etc to be furnished / provided by contractor for PSO review / approval before shipment of material to requisite site. Certification: 1) Manufacturer must have a valid API 5L certificate with active status on the API composite List. 2) Manufacturer must be an API certificate holder for the last 5 years minimum. " 03" dia Sch 40	Keamari Terminal	M	2		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
12	<u>PIPE CS 2"dia (ERW)</u> CS Pipe, Beveled end, API 5L Gr. B PSL-1 (ERW/SAW/SMLS) as per ANSI B 36.10. Single Random length. Standard Compliance: 1) API 5 L Latest edition 2) All materials properties and parameters shall conform to minimum requirement of API 5L, PSL 1 Pipeline 3) All test shall be performed and results shall conform to minimum requirement of API 5 L PSL 1. 4) Documentation support i.e. MTC, ISO certificate, API certificate etc to be furnished / provided by contractor for PSO review / approval before shipment of material to requisite site. Certification: 1) Manufacturer must have a valid API 5L certificate with active status on the API composite List. 2) Manufacturer must be an API certificate holder for the last 5 years minimum. "	<u>Keamari Terminal</u>	<u>M</u>	1		
13	<u>PIPE CS 1" DIA SCH-80 (Erw)</u> Supply of CS Pipe, Beveled / Plain / Threaded end, API 5L Gr. B/ ASTM A-53 GR.B ERW as per ANSI B 36.10. 01" dia Sch 80	<u>Keamari Terminal</u>	<u>M</u>	12		
14	<u>PIPE CS 3/4" DIA SCH-80 (ERW)</u> Supply of CS Pipe, Beveled / Plain / Threaded end, API 5L Gr. B/ ASTM A-53 GR.B ERW as per ANSI B 36.10. 3/4" dia Sch 80	<u>Keamari Terminal</u>	<u>M</u>	12		
15	<u>PIPE CS 1/2"dia Sch-80 (Seamless)</u> Supply of CS Pipe, Beveled / Plain / Threaded end, API 5L Gr. B/ ASTM A-53 GR.B ERW as per ANSI B 36.10. 1/2" dia Sch 80	<u>Keamari Terminal</u>	<u>M</u>	12		
16	<u>CHECK VALVE 8"dia</u>	<u>Keamari</u>	<u>EA</u>	2		



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		<u>Terminal</u>				
17	Specifications as mentioned in PSO-CV-010: 08" Dia CHECK VALVE 4"dia	<u>Keamari</u> <u>Terminal</u>	EA	1		
18	Specifications as mentioned in PSO-CV-010: 04" Dia GATE VALVE 8"dia	<u>Keamari</u> <u>Terminal</u>	EA	4		
19	Specifications as mentioned in PSO-GV-007: 08" Dia GATE VALVE 4"dia	<u>Keamari</u> <u>Terminal</u>	EA	2		
20	Specifications as mentioned in PSO-GV-007: 04" Dia GATE VALVE 1"dia	<u>Keamari</u> <u>Terminal</u>	EA	4		
21	Specifications as mentioned in PSO-GV-007: 01" Dia GATE VALVE 3/4"dia	<u>Keamari</u> <u>Terminal</u>	EA	4		
22	Specifications as mentioned in PSO-GV-007: 3/4" Dia GATE VALVE 1/2"dia	<u>Keamari</u> <u>Terminal</u>	EA	4		
23	Specifications as mentioned in PSO-GV-007: 1/2" Dia ELBOW CS 8"dia 90deg (B.W)	<u>Keamari</u> <u>Terminal</u>	EA	2		
24	Supply of Elbow 90 degree, Long Radius, B.W. ASTM A-234 Gr. WPB as per ASME B16.9. 08" dia Sch 40 ELBOW CS 6"dia 90deg (B.W)	<u>Keamari</u> <u>Terminal</u>	EA	4		
	Supply of Elbow 90 degree, Long Radius, B.W. ASTM A-234 Gr. WPB as per ASME B16.9.					



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25	06" dia Sch 40 <u>ELBOW CS 4"dia 90deg (B.W)</u> Supply of Elbow 90 degree, Long Radius, B.W. ASTM A-234 Gr. WPB as per ASME B16.9.	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	5		
26	04" dia Sch 40 <u>ELBOW CS 3"dia 90deg (B.W)</u> Supply of Elbow 90 degree, Long Radius, B.W. ASTM A-234 Gr. WPB as per ASME B16.9.	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	1		
27	03" dia Sch 40 <u>ELBOW CS 2"dia 90deg (B.W)</u> Supply of Elbow 90 degree, Long Radius, B.W. ASTM A-234 Gr. WPB as per ASME B16.9.	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	1		
28	02" dia Sch 40 <u>ELBOW CS 1"dia 90deg (B.W)</u> Supply of Elbow 90 degree, Long Radius, B.W. ASTM A-234 Gr. WPB as per ASME B16.9.	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	10		
29	01" dia Sch 40 <u>ELBOW CS 3/4"dia 90deg (B.W)</u> Supply of Elbow 90 degree, Long Radius, B.W. ASTM A-234 Gr. WPB as per ASME B16.9.	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	4		
30	3/4" dia Sch 40 <u>ELBOW CS 1/2"dia 90deg (B.W)</u> Supply of Elbow 90 degree, Long Radius, B.W. ASTM A-234 Gr. WPB as per ASME B16.9.	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	2		
31	1/2" dia Sch 40 <u>FLANGE SORF MS 8"dia Class-150</u> Supply of Slip-on Flanges 150#, R.F. as per ASME B16.5, ASTM A-105. 08" Dia	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	6		



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32	<u>FLANGE Sore MS 6" dia Class-150.</u> Supply of Slip-on Flanges 150#, R.F. as per ASME B16.5, ASTM A-105. 06" Dia	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	16		
33	<u>FLANGE Sore MS 4" dia Class-150</u> Supply of Slip-on Flanges 150#, R.F. as per ASME B16.5, ASTM A-105. 04" Dia	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	10		
34	<u>FLANGE Sore MS 3" dia Class-150</u> Supply of Slip-on Flanges 150#, R.F. as per ASME B16.5, ASTM A-105. 03" Dia	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	3		
35	<u>FLANGE Sore MS 2" dia Class-150</u> Supply of Slip-on Flanges 150#, R.F. as per ASME B16.5, ASTM A-105. 02" Dia	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	2		
36	<u>FLANGE Sore MS 1" dia Class-150</u> Supply of Slip-on Flanges 150#, R.F. as per ASME B16.5, ASTM A-105. 01" Dia	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	4		
37	<u>FLANGE Sore MS 3/4" dia Class-150</u> Supply of Slip-on Flanges 150#, R.F. as per ASME B16.5, ASTM A-105. 3/4" Dia	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	4		
38	<u>FLANGE Sore MS 1/2" dia Class-150</u> Supply of Slip-on Flanges 150#, R.F. as per ASME B16.5, ASTM A-105. 1/2" Dia	<u>Keamari</u> <u>Terminal</u>	<u>EA</u>	2		
39	<u>FLANGE Blind MS 6" dia Class-150.</u>	<u>Keamari</u>	<u>EA</u>	2		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
		<u>Terminal</u>				
40	Supply of Blind Flanges 150 # RF, as per ANSI B 16.5, ASTM A-105. 06" Dia <u>FLANGE Blind MS 4"dia Class-150</u>	<u>Keamari</u> <u>Terminal</u>	EA	2		
41	Supply of Blind Flanges 150 # RF, as per ANSI B 16.5, ASTM A-105. 04" Dia <u>FLANGE Blind MS 1"dia Class-150</u>	<u>Keamari</u> <u>Terminal</u>	EA	2		
42	Supply of Blind Flanges 150 # RF, as per ANSI B 16.5, ASTM A-105. 01" Dia <u>FLANGE Blind MS 3/4"dia Class-150</u>	<u>Keamari</u> <u>Terminal</u>	EA	2		
43	Supply of Blind Flanges 150 # RF, as per ANSI B 16.5, ASTM A-105. 3/4" Dia <u>Socket MS 1"dia</u>	<u>Keamari</u> <u>Terminal</u>	EA	6		
44	"Supply of Sockolet/Weldolet/Threadolet (as required), ASTM A 105, 3000#, as per ANSI B 16.11 The sizes below indicate outlet size (branch). Main line size may vary." Dia 1" <u>Socket MS 3/4" dia</u>	<u>Keamari</u> <u>Terminal</u>	EA	3		
45	"Supply of Sockolet/Weldolet/Threadolet (as required), ASTM A 105, 3000#, as per ANSI B 16.11 The sizes below indicate outlet size (branch). Main line size may vary." Dia 3/4" <u>SOCKET 1/2" dia</u>	<u>Keamari</u> <u>Terminal</u>	EA	50		



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46	"Supply of Sockolet/Weldolet/Threadolet (as required), ASTM A 105, 3000#, as per ANSI B 16.11 The sizes below indicate outlet size (branch). Main line size may vary." Dia 1/2" <u>Pressure relief valve 1" x 3/4"</u>	<u>Keamari Terminal</u>	<u>EA</u>	2		
47	"Pressure Relief Valve Specifications as mentioned in PSO-PSV-011." 1" x 3/4" Dia <u>TFF EQUAL CS 8"dia (B.W)</u>	<u>Keamari Terminal</u>	<u>EA</u>	1		
48	Equal Tee B.W ASTM A - 234 Gr WPB as per ANSI 16.9 08" dia Sch 40 <u>TFF EQUAL CS 1"dia (S.W)</u>	<u>Keamari Terminal</u>	<u>EA</u>	1		
49	Equal Tee B.W ASTM A - 234 Gr WPB as per ANSI 16.9 01" dia Sch 40 <u>TFF EQUAL CS 3/4"dia (B.W)</u>	<u>Keamari Terminal</u>	<u>EA</u>	1		
50	Equal Tee B.W ASTM A - 234 Gr WPB as per ANSI 16.9 3/4" dia Sch 40 <u>TFF EQUAL CS 1/2"dia (S.W)</u>	<u>Keamari Terminal</u>	<u>EA</u>	1		
51	Equal Tee B.W ASTM A - 234 Gr WPB as per ANSI 16.9 1/2" dia Sch 40 <u>Miscellaneous Steel structure</u>	<u>Keamari Terminal</u>	<u>KG</u>	8,000.000		
	"Supply of steel plates for rehabilitation of Tank including Roof plates, Bottom plates, splash plates, & shell plates, as per inspection report, site requirement and in accordance with relevant codes / standards/ best Engineering practises. Specifications: HR-235/A-36/SS400B, API 5L Gr. B/ ASTM A-53 GR.B ERW, ASTM A-234 Gr. WPB, ASME B16.5, ASTM A-105 or equivalent / superior as per PSO's approval, Suitable					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
52	size as per site requirement. Note: Quantities for supply would be mutually decided by PSO and Contractor before proceeding with the procurement <u>Miscellaneous Steel structure</u> Supply of steel plates and material for rehabilitation of Tank including Roof supporting structure (column, rafters, girders), railing, staircase, stud bolts, nut bolts, washers, as per inspection report, site requirement and in accordance with relevant codes / standards/ best Engineering practises. Specifications: HR-235/A-36/SS400B,API 5L Gr. B/ ASTM A-53 GR.B ERW, ASTM A-234 Gr. WPB, ASME B16.5, ASTM A-105 or equivalent / superior as per PSO's approval, Suitable size as per site requirement.	<u>Keamari Terminal</u>	<u>KG</u>	3,800.000		
53	<u>Miscellaneous Steel structure</u> Supply of steel pipes and material for rehabilitation of Tank including manholes, tank nozzles/appurtenances, stud bolts, nut bolts, washers, as per inspection report, site requirement and in accordance with relevant codes / standards/ best Engineering practises. Specifications: HR-235/A-36/SS400B,API 5L Gr. B/ ASTM A-53 GR.B ERW, ASTM A-234 Gr. WPB, ASME B16.5, ASTM A-105 or equivalent / superior as per PSO's approval, Suitable size as per site requirement.	<u>Keamari Terminal</u>	<u>KG</u>	3,500.000		
54	<u>Deformed Steel Bars</u> Supply of deformed steel reinforcement bars. All wastage, cuttings, overlaps and chairs are included in the cost and no extra payment will be made in this regard. Only actual laid quantities will be considered for payment. NOTE: Mill test Certificate from the manufacturer will be provided by the contractor. Deformed steel of yield strength 60,000Psi.	<u>Keamari Terminal</u>	<u>KG</u>	250.000		
55	<u>Sprinklers Brass 3/4" dia</u> Water Sprinkler Nozzles Specifications as mentioned in PSO-SN-028:	<u>Keamari Terminal</u>	<u>EA</u>	48		
56	<u>Miscellaneous Steel structure</u>	<u>Keamari</u>	<u>KG</u>	20.000		



Pakistan State Oil Company Limited

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Telephone (021) 9203866-85 Fax (021) 9203796

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DATE	23.07.2026	

REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)

SAP No.6100017531

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

13.08.2026

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: Rehabilitation of Vertical Storage Tank # 203 at KTC With IFC(PMG, Dia: 15.203 M, Height: 13.7 M, 2000 MT)

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
		<u>Terminal</u>				
57	Supply of SS 316 material for mesh, etc. on vents and any other devices. Foam Pourer	<u>Keamari</u> <u>Terminal</u>	EA	1		
58	As per Specifications attached PSO-FP-027 Negotiating Device for Floating Cover	<u>Keamari</u> <u>Terminal</u>	EA	7		
	"Supply of Negotiating Devices for: a) Centre Column b) Dip Hatch / Inspection hatch - Qty= 02 No's, Size= 6" Dia c) Alarm System (HHLA) - Qty= 4 No, Size= 4" dia					
59	Internal floating cover Alumin-60' X 42' Supply of Finished/Pre-Fabricated 1 No. Aluminium Internal Floating Cover (IFC) with complete necessary accessories for PMG tank # 203, PSO Keamari Terminal C Supply of below mentioned materials related to Installation of Internal Floating Cover (IFC) as per attached specifications (PSO-IFC-006). "List of Accessories mainly includes but not limited to following: 1. Cover sheets 2. Supporting structures 3. Stud, bolts, nuts washers etc. 4. Guides 5. Antirotation system 6. Anti Static System 7. Valve-Manhole Combinations 8. Primary PE Seals 9. Floats with complete assembly 10. Gauging plates 11. Drain pipes 12. Fixed legs	<u>Keamari</u> <u>Terminal</u>	EA	1		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	13. Sealing Paste 14. Indicating plate 15. Accessories as per attached 'Specifications for Internal Floating Cover'. 16. Any other item deemed necessary by Manufacturer." Note: This item do not includes Negotiating devices, Double negotiating devices & sampling funnels. All other devices for IFC is included in this item. Notes: "Tank Data: Tank Dia: 15.203 meter approx. Tank Height: 13.7 meter approx. Product: PMG Design Pressure: Atmospheric Sp. gravity: 0.72-0.77 approx. Operating Temperature: Ambient Safe fill height: Contractor to check from site and document the same before finalization of desing. Filling Rate & Emptying Rate: Contractor to check from site and document the same before finalization of desing. Type of Tank: Welded, Vertical, Cylindrical Material: Carbon Steel Type of Roof: Cone type fixed Roof Type of Bottom: Cone Down type Slope of Bottom & Roof: Contractor to check from site Levels of Bottom at different points: Contractor to check from site No Mixer Installed Other Data that is required for IFC, is to be checked by Contractor from Site." "Design Data: Applicable Code: 1) API 650 Latest edition & latest addendum, 2)					



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Rs. _____ **PO/DD NO.** _____

Title: Rehabilitation of Vertical Storage Tank # 203 at KTC With IFC(PMG, Dia: 15.203 M, Height: 13.7 M, 2000 MT)

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	NFPA 11 Latest edition & latest addendum. Material of Construction as per attached Specifications" ALL SUPPLY MATERIALS SHOULD BE SUITABLE FOR PETROLEUM PRODUCTS APPLICATION Delivery of all Supply Items should be at Site (PSO KTC Installation). Includes loading, unloading & transportation also complete in all respect.					