

SCHEDULE OF RATES					
TENDER FOR PROVIDING OPERATION AND MAINTENANCE SERVICES FOR PNG NETWORK AT AMBALA-KURUKSHETRA GA					
TENDER NO : HOGPL/2021-22/C&P/018 DATED 12.11.2021					
Name of the Bidder: M/s.....					
SOR Item No	Description	UOM	Quantity	Unit Rate inclusive of all taxes & duties except GST (INR)	Total Amount inclusive of all taxes & duties except GST (INR)
Part A: Handling PE-PNG O&M activities covered under Part-A under scope of GTS/PTS					
1	Office setup for Area Emergency Office [AEO]: Providing and maintaining Office and store space with necessary office/store furniture/equipments/amenities as per requirement mentioned in Scope.	Month	48		
2	O&M PE -PNG Team : Providing Preventive and Emergency/Breakdown services of PNG network including tools & tackles, consumables, inventory management of free issue material as defined in the scope of work of the tender document. This is inclusive of all materials as mentioned in GTS/PTS under bidder's scope.	Month	48		
3	Office setup for Local Customer Care Office [LCO]: Providing and maintaining Office for Customer Relation with necessary office/ furniture/equipments/amenities as per requirement mentioned in Scope .	Month	48		
4	Local Customer Care Team : Maintaining customer care relation, for grievances/ queries received through calls, letters, emails, through toll free number and other modes/ receiving calls/ emergency handling of complaints, Teller/ account services, Billing & Meter reading related works and intimation to AEO for O&M activities as per customer complain / resolution of queries as required for industrial, commercial & domestic customers.	Month	48		
5	Emergency 4 Wheeler Vehicle : Deployment of Emergency Vehicle [4 Wheeler - EECO CNG or equivalent] (4 + 1 Seater) including Fuel, Driver, Consumables, Maintenance, Vehicle Tracking System etc. for KM run of 2500 KMs per month as defined in the scope of work of the tender document.	Month	24		
6	Rate per KM beyond 2500 kms running for 4 wheeler	Km	24000		
7	2 Wheeler Vehicle : Any make with min 100 CC Deployment of Two Wheeler including Fuel, other consumable, maintenance up to 1,500 Kms per month for activities covered under Part-A of PTS (for utilization by any contractor staff with Safety Helmet)	Month	48		
8	Rate per KM beyond 1500 Kms for two wheeler	Km	24000		
9	Charges for Meter Reading, Bill Circulation & Payment Collection (if any) for Domestic Connections	Nos	240000		
10	Charges for Meter Reading, Bill Circulation & Payment Collection (if any) for Commercial & Industrial Connections.	Nos	10000		
Part B: Under scope of GTS/PTS. SUPPLY OF MATERIALS AND LABOR CHARGES FOR ALTERATIONS, MODIFICATIONS, PE PIPELINE LAYING / SHIFTING, Installation of Route markers/PE Valves, Construction of Valve Chambers, Preventive Maintenance of Domestic/Commercial/Industrial connections, CIVIL & OTHERS STRUCTURAL WORKS, PAINTING ETC based on request/requirement of Owner. All jobs will be performed as per requirement of QOS, T4S & other PNGRB standards & applicable maintenance codes.					
A. BELOW GROUND:					
	Receiving and taking-over" as defined in the specification, handling, loading, transportation and unloading including owner supplied MDPE pipes (PE 100, SDR 11 & 17.6), GI Pipes, Copper Tubes, Service Regulator, Isolation Valves, Meter regulators, Rubber Hose, PE Valve from owner's designated stock yards /place(s) of issue/ dump site(s) as well as contractor supplied materials like PE-100 Electro fusion Fittings (like Bends, Couplers, End Caps, Tee, PE Reducer, CS(transition fitting) to PE Fittings, Saddle Tapping,) , Warning Mats ((300mm width x 300 Micron) , Casing Pipes, Valve chamber, Supply & installation of Route / Line Marker , riser Guard, GI/Cu fitting for ground connection after verification by OWNER engaged TPA at contractor store which is required to complete the work, Contractor's own stock-yard(s) / work shop(s) / work site(s) including proper storing, stacking, identification, providing security & insurance cover for the materials, Liaisoning with Landowning agencies / statutory authorities and obtaining NOC, preparation of Auto Cad for approval of Owner In charge, making trial pits to determine the underground utilities/ services etc., obtaining permission from Land owning agencies , temporary/permanent restoration of the abandoned trial pits as required (excavation to depth as per specification) to original condition, barricading the work area as per the procedures & as per the directions of EIC / AIC/ site-in-charge. Trenching to the required depth in NORMAL SURFACE/ ANY UNPREPARED SURFACE (KUTCHA SURFACE) terrain, damping, stringing / uncoiling on the pipes in Right-of-Use, jointing of the pipe ends/ fittings/ valves by qualified personnel, using bar coded electro fusion techniques. PPES (i.e. Safety Helmet, Safety Shoes, Safety Glasses, Reflected jacket, Coated boring tool and Hand Gloves) shall be used for compliance to safety norms as per Company's requirement. Maintain minimum top cover of 1 m or as per instruction of EIC/AIC. Trenching to all depths by excavation in all types of soils including hard rock blasting, chiseling or otherwise cutting etc. to a width to accommodate the pipeline during lowering & backfilling as per the relevant standards, specifications etc. Permanent restoration by doing Asphaltting, concreting etc. is not covered in the scope of this work. Final clean-up & restoration of right of use/corridor and other associated area to its original condition, including cleaning the area of all unserviceable materials, debris, excess earth near trenches to the designated disposal area area as per the specifications, instruction of Owner/ Engineer-in-charge				
A.1	Construction, Installation / Laying, Testing, Purging & Commissioning including site restoration of MP/ LP PE Pipes including Electrofusion Welding, Padding and Bedding. PE pipes of sizes from 20 mm to 125 mm & PE Ball valves shall be supplied by Owner as free issue whereas EF fittings & warning tape shall be supplied by Bidder and all rates are inclusive of bidder's scope materials. This line item A.1 is only applicable for more than 50 m length of pipe.				
A.1.1	Installation , Testing , Commissioning of 20 mm OD	M	200		
A.1.2	Installation , Testing , Commissioning of 32 mm OD	M	400		
A.1.3	Installation , Testing , Commissioning of 63 mm OD	M	400		
A.1.4	Installation , Testing , Commissioning of 125 mm OD	M	400		
A.2	Trenchless crossing -Manual Boring including insertion of PE pipes, EF jointing, Testing and Commissioning as per OWNER Specifications. PE pipes of sizes from 20 mm to 125 mm & PE Ball valves shall be supplied by Owner as free issue whereas EF fittings & warning tape shall be supplied by Bidder and all rates are inclusive of bidder's scope materials.This line item A.2 is only applicable for more than 50 m length of pipe.				
A.2.1	Installation , Testing , Commissioning of 20 mm OD	M	200		
A.2.2	Installation , Testing , Commissioning of 32 MM & 63 MM	M	1000		
A.2.3	Installation , Testing , Commissioning of 125 MM	M	700		

SOR Item No	Description	UOM	Quantity	Unit Rate inclusive of all taxes & duties except GST (INR)	Total Amount inclusive of all taxes & duties except GST (INR)
A.3	Excavation, Removal / TAKING out of PE Pipeline (any size & dispose after verification by EIC), Backfilling of Trenching, Site Restoration etc. All rates are inclusive of bidder's scope materials	M	800		
A.4	Installation of Service Regulator Module including Supply of required material & Manpower, Transportation ,Civil Works, Installation, Testing / Purging & Commissioning (EF Fittings shall be supplied by Bidder). All rates are inclusive of bidder's scope materials. Anything left out shall be provided by bidder (Refer Annex 7 for bidder & owner scope material)				
A.4.1	Installation of SR Module =< B50	Nos	15		
A.4.2	Installation of SR Module >B50	Nos	15		
A.4.3	Supply and installation of RCC Bollards for protection of SR as per discretion of EIC/AIC/Site incharge as per Drg	Nos	120		
A.5	Dismantling of existing Service regulator of any size - Services includes supply of labour,Excavation,Isolation of valves and pipe lines, Squeezing, Demolition of foundation and transportation of removed Service regulator module to owner store/Place instructed by owner EIC	Nos	15		
A.6	Installation of new PE Ball Valve along with construction of valve chamber inclusive of white wash, painting, pest control and slippers	Nos	10		
A.7	Disconnection of PE line on customer request. (PE Disconnection)-i.e. excavation, squeezing of charged PE pipe, installation of Endcap / Plug on TF for stoppage of supply/removal of RCC guard, etc.	Nos	240		
B. ABOVE GROUND:					
B.1	Supply and Fitting , Testing and Commissioning. This SoR is applicable for Alteration, Shifting, re-fitting & Removal of GI Pipe. Only GI Pipes/Cu Pipes/Meter/Regulators/rubber hose/isolation valves shall be supplied by Owner. All other required fittings and consumables are under Bidder's scope. All rates are inclusive of bidder's scope materials.				
B.1.1	Fitting of 1/2" GI Pipe through threaded joints including supply and fixing of GI fittings	M	1800		
B.1.2	Fitting of 3/4" GI Pipe through threaded joints including supply and fixing of GI fittings	M	200		
B.1.3	Fitting of 1" GI Pipe through threaded joints including supply and fixing of GI fittings	M	400		
B.1.4	Fitting of 1-1/2" GI Pipe through threaded joints including supply and fixing of GI fittings	M	100		
B.1.5	Fitting of 2" GI Pipe through threaded joints including supply and fixing of GI fittings	M	50		
B.1.6	Removal of Threaded 1/2" GI Pipe including all fittings	M	1600		
B.1.7	Removal of Threaded 3/4" GI Pipe including all fittings	M	200		
B.1.8	Removal of Threaded 1" GI Pipe including all fittings	M	400		
B.1.9	Removal of Threaded 1-1/2" GI Pipe including all fittings	M	100		
B.1.10	Removal of Threaded 2" GI Pipe including all fittings	M	50		
B.1.11	Fitting of 1/2" GI Pipe through welded joints including supply and fixing of fittings	M	60		
B.1.12	Fitting of 3/4" GI Pipe through welded joints including supply and fixing of fittings	M	100		
B.1.13	Fitting of 1" GI Pipe through welded for including supply and fixing of fittings	M	300		
B.1.14	Fitting of 1-1/2" GI Pipe through welded joints including supply and fixing of fittings	M	80		
B.1.15	Fitting of 2" GI Pipe through welded joints including supply and fixing of fittings	M	80		
B.1.16	Removal of Welded 1/2" GI Pipe including all fittings	M	60		
B.1.17	Removal of Welded 3/4" GI Pipe including all fittings (including Lateral piece of 1/2" pipe connected with Welded riser/approach)	M	100		
B.1.18	Removal of Welded 1" GI Pipe including all fittings (including Lateral piece of 1/2" pipe connected with Welded riser/approach)	M	300		
B.1.19	Removal of Welded 1-1/2" GI Pipe including all fittings (including Lateral piece of 1/2" pipe connected with Welded riser/approach)	M	80		
B.1.20	Removal of Welded 2" GI Pipe including all fittings (including Lateral piece of 1/2" pipe connected with Welded riser/approach)	M	80		
B.1.21	Removal of 12 mm Copper pipe	M	50		
B.1.22	Refitting of 12 mm Copper pipe	M	50		
B.1.23	Conversion of domestic stove after commissioning on customer request (inclusive of Jet)	Nos	350		
B.1.24	Supply and installation of CS ball valve of all sizes for welded piping work	Nos	25		
B.1.25	Lumpsum charges for mobilization for domestic alteration/riser shifting work/Preparation of isometric drawing and necessary reports/services for making holes in brick wall/RCC structure, removal/refitting of meter assembly, colour touch up,at the time of alteration activity, etc. in addition to per running meter of removal/refitting charges.. Only applicable to alteration requests only. (Customer Certificate Required)	Nos.	500		
B.2	Preventive Maintenance - Domestic / Commercial / industrial /PNG Connection / Installation includes as per scope mentioned in PTS Part-B. Inclusive of consumable screw, Teflon tape, paint, sand, cementing etc. and supply of materials other than GI/Cu/PE pipes, Isolation/Appliance Valves, PE ball valves, service regulators, meter regulators & PE Ball valves all material are in bidder's scope.- Documentation as per Owner's requirement need to be maintained and submitted. All rates are inclusive of bidder's scope materials.				
B.2.1	Preventive Maintenance of Commercial Connection	Nos	40		
B.2.2	Preventive Maintenance of Industrial Connection	Nos	20		
B.2.3	GI Riser/Approach Maintenance				
B.2.3.1	1/2" GI Riser/Approach Maintenance	Nos	250		
B.2.3.2	3/4" GI Riser/Approach Maintenance	Nos	200		
B.2.3.3	1" GI Riser/Approach Maintenance	Nos	50		
B.2.3.4	1 1/2" GI Riser/Approach Maintenance	Nos	50		
B.2.3.5	2" GI Riser/Approach Maintenance	Nos	50		
B.2.4	Supply and Installation of RCC route marker /pole marker	Nos	25		
B.2.5	MRS Shifting of Commercial/Industrial Connection within premises	Nos	5		

SOR Item No	Description	UOM	Quantity	Unit Rate inclusive of all taxes & duties except GST (INR)	Total Amount inclusive of all taxes & duties except GST (INR)
B.2.6	Meter Shifting of Commercial/Industrial Connection within premises	Nos	5		
C	Civil Construction work including supply of required material & Labor: Only Applicable if work is executed under scope of Part-A of GTS/PTS. As services are already included in Part-A, these SOR shall only applicable for materials supply.				
C.1	Brick work including plastering	Cu. M	150		
C.2	PCC 1:2:4	Cu. M	150		
C.3	RCC M20	Cu. M	100		
C.4	Sand Filling activity for Service Regulator Module for all sizes/Valve Chambers	Cu. M	100		
C.5	Painting of MRS	Sq.Ft	500		
C.6	Painting of Route Markers/Valve Chambers	Sq.Ft	1000		
C.7	Supply of Unskilled labors-(service not material) (DCU Premises Security)	Man day	1300		
C.8	Supply of Valve Chamer Covers/Slippers	Nos	40		
C.9	Replacement of SR Box =< B50 inclusive of supply of SR box and foundation	Nos	10		
C.10	Replacement of SR Box >B50 inclusive of supply of SR box and foundation	Nos	10		
C.11	Replacement/shifting of existing PE Ball Valve along with construction of valve chamber inclusive of white wash, painting, pest control and slippers	Nos	15		
D	Restoration of trenches to original surface as applicable including HSE and shifting of surplus excavated earth/debris				
	Restoration of the roads; pavements, channels, footpaths, tiles, stones etc. to original condition including supply of the approved quality material required, as per local authorities norms, obtaining NOC from concerned local authorities/ land owners/ third party inspection agencies designated by Owner's and to the satisfaction of EIC.				
D.1	Cement Concrete (Any Grade & Any thick) for all sizes of PE pipe laying	M	1600		
D.2	Tiles / Paver Blocks / Kerb Stone/Brick Soiling for all sizes of PE pipe laying	M	1600		
E	Hiring of following equipment for doing any emergency work :Only Applicable if work is executed under scope of Part-A of GTS/PTS Hiring of following equipments for doing any emergency work. The period of hiring will start after the equipment reaches at site and ends when equipment leaves the site. Hiring will be based on instruction of EIC. Break down period of equipment will not be paid. Normal working time per day will be 8 Hrs. Hiring rates is inclusive of diesel, operators cost, Maintenance cost etc.				
E.1	Hiring of JCB for excavation	Hr.	250		
E.2	Hiring of Hydra - upto 10 MT	Hr.	250		
E.3	Hiring of Ladder up to 25 Feet (Other than mentioned in Emergency Van)	Hr.	250		
E.4	Hiring of Diesel Generator set - 15 KVA	Day (4 Hr.)	200		
E.5	Hiring of Dewatering/Mud Pump 5 KL with hose pipe and accessories	Day (4 Hr.)	80		
E.6	Hiring of Breaker for Concrete (RCC- Any size/ PCC more than 4" thickness) / Rock (Length of strata is more than 2 m)/ Bitumin Thickness more than 6" and also for part B -PE laying section	Day (4 Hr.)	50		
E.7	Hiring of Air Compressor of 100 CFM capacity, 6 barg for Flushing & testing	Day (8 Hr.)	50		
E.8	Hiring of Tractor for shifting of excavated material	Day (8 Hr.)	40		
Total Amount (Excl. GST)					
GST @.....%					
Total Amount (Incl. GST)					

Base Rate at Ambala-Kurukshetra for 4 Wheeler		
Fuel	Unit	Unit Rate
CNG	Kg	
Base Rate Ambala-Kurukshetra for 2 Wheeler		
Fuel	Unit	Unit Rate
Petrol	Litre	

Signature & Seal of Bidder