

 GUJARAT ENERGY RENEWABLES INFRASTRUCTURE LIMITED		SCHEDULE OF RATES					DOC. NO. - MAT-F-11		
							REV. NO. - 01		
							EFFECTIVE DATE - 05-12-2025		
TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
SR NO	SERVICE CODE	DESCRIPTION OF WORK	UOM	BASE RATE (INR)	BHAVNAGAR GA	AMRELI GA	TOTAL QUANTITY	TOTAL VALUE (Rs.)	REMARKS
		SECTION-A							
		SOR FOR FIXED MONTHLY REQUIREMENTS							
1	905244	Fixed Expenses/Lumpsum rate to be paid on monthly basis Rates should be inclusive of 1) Expenses towards Resources to be deployed for execution of job/activities given in the SOR Section-A & B like supervisor,Welder, Fabricator, Grinder and supporting staff etc. as per the Annexure-14 of the Scope of Work Document. 2) Expenses towards maintaining machinery, tools & tackles and inventory of materials like Welding machine, Electrodes,Grease gun, Grinding machine, Generators,Electrodes,Hydra/Cranes/JCB / Consumable items etc.... required for execution of jobs given in the SOR Section-A & B as per the Annexure-14 of the Scope of work document. 3) Expenses towards mobilization and de-mobilization of the all required resources for the execution of job/activities mentioned in the SOR and as per the Scope of Work document. 4) Expnsenses and charges towards all types of documentations, Computer, Printer, Stationary, Telephone connection, Internet connection, Mobile Smart phone handset and connections required to execute the job/activities in the SOR as per the Scope of work document. 5) Store and office Rental and associated expenses. 6) Expenses towards providing uniform, required PPE and providing barricading (soft & hard) for the execution of job/activities as per the Scope of work document. 7) Expenses towards training and other HSE related compliance and requirements 8) Other miscellaneous expenses and charges not mentioned above. Note: Payment for the above SOR line item to be made per month on Lump Sum bases.	Lump sum in Rs. (per month)	300897	24	0	24	7221528.00	Fixed mapower as per Team category-A (11 Nos) Base Location-Bhavnagar for Bhavnagar & Amreli GA
2	300901	Thickness Measurement of Pressure Vessel/Installation/Piping at CGS, CNG stations, LCNG stations, DCS stations and other above ground Steel pipelines facilities at various spots as directed by EIC. Compliance of all statutory requirement shall be under Contractor's scope. (Contractor can not peel out the colour/coating from the pipeline, they will be utilizing Cygnus make or equivalent instrument with valid calibration). Contractor shall deploy ASNT LEVEL II certified personal for the execution and review of the activity. All the above activities shall be as per the scope of work, technical specifications, procedures and guidelines mentioned in Tender Document.	Per Spot	13.53	22800	10500	33300	450549.00	
3		1. Calibration of SRV/CRV of various sizes installed at various sites including CGS, CNG stations, LCNG stations, DCS Stations, DRS/DPRC/CPRS and other A/G facilities as per EIC instruction as per the requirement. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. Quantity given is total quantity of the SRV. SERVICE PROVIDER required to quote for each size of the SRV by considering total qty. Charges to be quoted for each of the Clusters mentioned in the tender document. 4. All the above activities shall be as per the scope of work, technical specifications, procedures and guidelines mentioned in Tender Document. 5. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 6. All associated activities required for calibration of instrument is part of above and no payment shall be applicable against any other SOR line item for above activity.							
3.1	300902	Size: 1/4"	Nos	3200.00	192	170	362	1158400.00	
3.2	300903	Size: 3/8"	Nos	3200.00	6	0	6	19200.00	
3.3	300904	Size: 1/2"	Nos	3200.00	72	4	76	243200.00	
3.4	300905	Size: 3/4"	Nos	3200.00	12	0	12	38400.00	
3.5	300906	Size: 1"	Nos	3200.00	92	0	92	294400.00	
3.6	300907	Size: 1 ¼"	Nos	3200.00	2	10	12	38400.00	
3.7	300908	Size: 1 ½"	Nos	3450.00	2	8	10	34500.00	
3.8	300909	Size: 2"	Nos	3700.00	10	0	10	37000.00	
4		1. Calibration of various types of Instruments installed at various sites including CGS, CNG stations, LCNG stations, DCS Stations, DRS/DPRC/CPRS and other A/G facilities as per EIC instruction as per the requirement. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. Charges to be quoted for each of the Clusters mentioned above as per EIC instruction as needed 4. All the above activities shall be as per the scope of work, technical specifications, procedures and guidelines mentioned in Tender Document. 5. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 6. Operation of isolation valve-manifold valve (closing), ensuring isolation of the instrument, dismantling of the instrument, re-installation of the instrument after calibration, operation of isolation valve-manifold valve (opening), ensuring no gas leakage shall be under Contractor's scope. 7. All associated activities required for calibration of instrument is part of above and no payment shall be applicable against any other SOR line item for above activity.							
4.1	300911	Calibration & Testing of Pressure Transmitter	Each	900.00	0	0	1	900.00	
4.2	300912	Calibration & Testing of Temperature Transmitter	Each	800.00	0	0	1	800.00	
4.3	300913	Calibration & Testing of Pressure Gauge	Each	450.00	720	265	985	443250.00	
4.4	300914	Calibration & Testing of Temperature Gauge	Each	770.00	152	38	190	146300.00	
4.5	300915	Calibration & Testing of Pressure and Temperature Sensor	Each	770.00	32	0	32	24640.00	
4.6	300916	Calibration & Testing of Gas Detector	Each	1500.00	0	12	12	18000.00	
4.7	300917	Calibration & Testing of Flame Detector	Each	1500.00	0	0	1	1500.00	
4.8	300918	Calibration & Testing of Differential Pressure Gauge	Each	550.00	250	33	283	155650.00	

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REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
5	302990	1. Examination of pressure vessel as per factory act and Report submission for Examination of Pressure vessel in the relevant Form (i.e. Form-11 or Form applicable for examination of pressure vessel as per state/UT factory act) incorporating results of Visual examination or Thickness testing. 2. Form-11/Relevant form to be signed and approved by Valid & competent person authorized as per Factory act and tender terms and condition. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the above activities shall be as per the scope of work, technical specifications, procedures and guidelines mentioned in Tender Document. 5. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation.	Each	2466.29	160	66	226	557381.54	
		SECTION-B							
		SOR FOR MECHANICAL WORKS							
1		Complete job of repairing the leakage of existing above ground pipeline by using GGL supplied leak repair clamps & other associated accessories related to clamp. The job includes, clearing the pipe surface to put clamping (other materials, tools and tackles including the equipments, manpower that are required shall be in scope of contractor). Installation of clamp to complete the job as per direction of OWNER EIC on pipes of dia 2"/4"/6"/8"/10"/12"/18". The job also includes the repair of damage and painting. Job shall be carried out as per ASME B 31.8/ API 1104. Compliance of all statutory requirement and permits shall be under Contractor's scope. Notes: 1. Leak repair clamp is free issue material. Loading, Transportation and uloading of the leak repair clamp from GGL store/location to the site and from site to GGL store/location shall be in contractor scope. 2. Installation of leak clamps is in the scope of Bidder. Leak clamps fitted can be removed and deposit to GGL by the bidder subsequent to completion of repair job. 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 5. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.							
1.1	300919	1/4", 3/8", 3/4" SS tubing	Per Location	269.23	4	2	6	1615.38	
1.2	704294	Upto 8" NB	Per Location	2404.69	4	2	6	14428.14	
1.3	704295	Above 8" NB	Per Location	5018.38	2	2	4	20073.52	
2		Complete job of repairing the leakage of existing buried pipeline/under ground pipeline by using GGL supplied leak repair clamps & other accessories related to clamp. The job includes but not limited to, excavation of pit to locate the leakage, barricading of the site (as per instructions of OWNER EIC), dewatering of the pit/area, cleaning of pit, clearing the pipe surface to put clamping (other materials, tools and tackles including the equipments, manpower that are required shall be in scope of contractor). Installation of clamp with Teflon sheet (3 to 5mm) of suitable size to complete the job as per direction of OWNER EIC. on pipes of dia 2"/4"/6"/ 8" / 10"/12"/18" .The job also includes the repair of damaged coating, testing and installation of clamps, back filling and final cleanup to restore the site to its original conditions. However clamp portion remain exposed without coating and restoration. Job shall be carried out as per ASME B 31.8/ API 1104. Compliance of all statutory requirement and permits shall be under Contractor's scope. Note: 1. Leak repair clamp is free issue material. Loading, Transportation and uloading of the leak repair clamp from GGL store/location to the site and from site to GGL store/location shall be in contractor scope. 2. Installation of leak clamps is in the scope of Bidder. Leak clamps fitted can be removed and deposit to GGL by the bidder subsequent to completion of repair job. 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 5. Excavation of trench/pit depth up to 1.5 meters and width as per actual site condition are included in this rate. For trench depth more than 1.5 meters, separate rates for excavation as per other SOR line items will be applicable. 6. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.							
2.1	704296	Upto 8" NB	Per Location	20135.09	4	2	6	120810.54	
2.2	704297	Above 8" NB	Per Location	47981.53	0	2	2	95963.06	

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REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
3		Repair of leaking underground pipe by replacement The job includes but not limited to Transportation, loading and unloading of the line pipes and fittings to the site, barricading of the site (as per instructions of OWNER EIC), excavating the trench for finding out the leakage in the existing line/ burst portion of point, dewatering and cleaning of pit or trench, make it free from fire/ accident etc., cutting the line from both ends (up to one pipe length item, approx 12 mtr or part thereof shall be treated as one job) surface and bevel preparation, DP checking & welding the pipe of the required length on the line, NDT (Radiography,UT,) Joint coating and wrapping, Holiday testing, back-filling, Hydrotesting, pigging & drying if required, keeping the pipeline ready for precommissioning including commissioning activities etc. complete the work as directed by OWNER EIC. Job shall be carried out as per ASME B 31.8/ API 1104. Compliance of all statutory requirement and permits shall be under Contractor's scope. Note: 1. Excavation of trench depth up to 1.5 meters is included in this rate and width as per actual site condition are included in this rate. For trench depth more than 1.5 meters, separate rates for excavation as per other SOR line items will be applicable. 2. This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline section and final tie-in welding of new pipeline with existing pipeline. However, nitrogen required for purging activites shall be claimed seperately as per given SOR. 3. Pipe & fittings is free issue material. Loading, Transportation and uloading of the same from GGL store/location to the site shall be in contractor scope. This shall also includes loading, transportation and unloading of material (cut pipe, fittings etc.) from site to GGL store/location. 4. Pneumatic testing, Hydro testing and NDT (except DPT of bevel end) and supply of Nitrogen required for purging (if required) shall be claimed as extra per the relevant SOR item. 5. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 6. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 7. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.							
3.1	300938	2" NB	Per Location	2907.24	0	0	1	2907.24	
3.2	300939	4" NB	Per Location	2959.32	4	2	6	17755.90	
3.3	300940	6’’ NB	Per Location	2965.32	4	2	6	17791.90	
3.4	300941	8’’ NB	Per Location	3076.30	4	2	6	18457.83	
3.5	300942	10" NB	Per Location	3144.44	0	0	1	3145.44	
3.6	300943	12" NB	Per Location	3199.01	0	2	2	6398.01	
3.7	300944	16" NB	Per Location	3299.69	0	0	0	0.00	No network of given size
3.8	300945	18’’ NB	Per Location	3363.49	0	0	0	0.00	No network of given size
4		Laying of small network extension for all type of soil terrain with open cut method (Upto 0.5 km) The job includes but not limited to Fabrication & laying of Underground pipeline of different size of grade API 5L Gr. X65/X60/X52/X42/B of Min. 6.4 mm Wall Thickness including, handling, stringing, aligning, cutting, beveling /edge preparation, fit-up, tie-in, welding, Radiography / X-ray, UT, DP, Loading, transportation and unloading of fabricated spool to site/location, trenching minimum upto 1.5 meter depth, lowering in trenches including bed preparation of trenches, levelling and alignment, padding, Joint coating with heat shrinkable sleeves/ cold tape & holiday testing, backfilling with good earth by supply of rock shield or geo-textile etc. The job includes carrying out hydrostatic testing of complete pipeline / piping system in various test sections including pre-tested sections as approved by Owner/Owner’s EIC to specified pressures, providing all testing equipments / instruments / accessories etc. including Pressure recorder (dead weight tester), Temperature probe, Temperature recorder. Dewatering, pigging, swabbing, drying, purging, keeping after successful completion of hydro testing is also included in scope. This scope also includes commissioning and handing over to the O&M along with required documentation and closing of punch points. Job shall be carried out as per ASME B 31.8/ API 1104. Compliance of all statutory requirement and permits shall be under Contractor's scope. Notes: 1. Supply & installation of marker will be claimed as per the applicable SOR line item. 2. Excavation of trench depth up to 1.5 meters is included in this rate and width as per actual site condition are included in this rate. For trench depth more than 1.5 meters, separate rates for excavation as per other SOR line items will be applicable. 3. Rates are inclusive padding of 150 mm at the bottom of trench and 300 mm above the pipe. Soft soil used from the trench shall not be considered for the sand padding rates. However, in case sand is brought from outside will be paid as per relevant SOR line item. 4. Rates are inclusive repair of Holiday in Coating, supply of all coating repair materials as per requirements of specification to be compatible with line pipe coating material, supply of all consumables, utilities, equipments and all manpower required, pipe cleaning and surface preparation, repairing of coating defects (resulting in holiday) and testing including all handling, transportation, etc. for line pipes, performing all works necessary for the completion of the works strictly in accordance with relevant specification and instructions of Engineer-in-Charge 5. Rates are inclusive of providing hard barrication and warning mate as per GGL approved drawing along trench, pipeline sections and pit. No separate rates shall be paid for transporation, loading and unloading of Hard barricades on site. 6. This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline and final tie-in welding of new pipeline with existing charged pipeline. However, nitrogen required for purging activites shall be claimed seperately as per given SOR 7. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 8. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 9. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.							
4.1	300994	Up to & including 4’’NB	Meter	1952.09	0	100	100	195208.55	
4.2	300995	6’’ NB	Meter	2055.58	1000	900	1900	3905608.25	
4.3	300996	8’’ NB	Meter	2155.89	100	0	100	215588.81	
4.4	300997	10" NB	Meter	2837.72	0	0	1	2837.72	
4.5	300998	12’’ NB	Meter	5770.40	0	0	1	5770.40	

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REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
4.6	300999	16" NB	Meter	6220.19	0	0	0	0.00	No network of given size
4.7	301000	18” NB	Meter	6458.92	0	0	0	0.00	No network of given size
5		PIPELINE LAYING BY HDD METHOD WITHOUT CASING PIPE (O&M) - ALL TYPE OF SOIL/TERRAINS EXCEPT ROCKY STRATA The job includes but not limited to Pre-Construction survey based on site visit, collection of data (if required) from concerned Authority including preparation of Crossing drawing as per permission from authority and as per survey data for getting approval from concerned Authority/ Engineer-in-Charge, getting work permit/ NOC for crossings as well as utility crossings (if any) encountered during crossings prior to start of the execution of work. Complete work of installation of carrier pipe by HDD method for River / Major Canal / National Highway / any other crossing wherever required in all types of soils and terrains except rocky terrain including "Receiving and taking over" Owner supplied coated line pipes from Owner's designated place to issue/ dump site(s) and transportation to Contractor's stock yard/ work shop/ work site including all handling loading, unloading, aligning etc. supply of all Contractor supplied material including manpower, equipment, consumables and other resources and acquiring the required land for storage, fabrication including string preparation of pipes, welding, welding repair, radiography, UT, coating of field joints with special type Heat Shrink Sleeve and repair of pipeline coating with special repair patch materials as per Specification, pre-hydro testing etc. of complete string made for crossing access for Contractor etc. and execution of, but not limited to, following works in accordance with specifications and instruction of Engineer-in-Charge and as per all provision of Contract Document. Excavating entry and exit pit, Drilling to required depth including maintenance of drill hole in all types of strata, all depth to accommodate the pipeline at all conditions encountered during crossing by approved HDD methods procedure for providing minimum cover specified in code/ specification or as decided by concerned authority, whichever is more. Backfilling of the ditch/ trench including restoration and cleanup of area and all other works including cleaning, gauging, swabbing, final hydro testing and pneumatic testing etc. along with mainline works required as per specification, approved drawings, calculations, methods and to the satisfaction of Engineer-in-Charge and/ or as directed by concerned Authority. The Entire work shall be executed as per permission from Statutory authority. Restoration after completion of crossing as per direction of Statutory authority / Owner / PMC and obtaining NOC. Note : 1. Above rates are inclusive of loading. transportation & unloading of GGL supplied line/casing pipes. 2. Supply & installation of marker will be claimed as per the relevant SOR line item. 3. Rates are inclusive repair of Holiday in Coating, supply of all coating repair materials as per requirements of specification to be compatible with line pipe coating material, supply of all consumables, utilities, equipments and all manpower required, pipe cleaning and surface preparation, repairing of coating defects (resulting in holiday) and testing including all handling, transportation, etc. for line pipes, performing all works necessary for the completion of the works strictly in accordance with relevant specification and instructions of OWNER EIC. 4. Rates are inclusive of identificaiton of U/G utilities by trial pits and providing hard barrication as per GGL approved drawing along trench, pipeline sections and pits. No separate rates shall be paid for transporation, loading and unloading of Hard barricades on site. 5. The length of HDD shall be as per design and drawing prepared by contractor and approved by OWNER EIC/TPIA. 6. Payment for the length of final tied-in carrier pipeline string with mainline laid by HDD are inclusive in this above item rate. No separate payment shall be made under other clauses mentioned elsewhere. 7. This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline and final tie-in welding of new pipeline with existing charged pipeline. However, nitrogen required for purging activites shall be claimed seperately as per given SOR 8. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 9. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.							
5.1	903694	4” NB Carrier Pipe Only	Meter	6082.15	0	0	1	6082.15	
5.2	903695	6” NB Carrier Pipe Only	Meter	7635.40	25	20	45	343592.82	
5.3	903696	8” NB Carrier Pipe Only	Meter	9176.50	15	20	35	321177.44	
5.4	903690	10” NB Carrier Pipe Only	Meter	10716.58	0	0	1	10716.58	
5.5	903691	12” NB Carrier Pipe Only	Meter	12335.21	0	0	1	12335.21	
5.6	906193	16” NB Carrier Pipe Only	Meter	14007.54	0	0	0	0.00	No network of given size
5.7	903693	18” NB Carrier Pipe Only	Meter	16540.79	0	0	0	0.00	No network of given size

 GUJARAT ENERGY RENEWABLE ENERGY DEVELOPMENT		SCHEDULE OF RATES	DOC. NO. - MAT-F-11						
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REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
6		PIPELINE LAYING BY HDD METHOD WITHOUT CASING PIPE (O&M) - ROCKY STRATA The job includes but not limited to Pre-Construction survey based on site visit, collection of data (if required) from concerned Authority including preparation of Crossing drawing as per permission from authority and as per survey data for getting approval from concerned Authority/ Engineer-in-Charge, getting work permit/ NOC for crossings as well as utility crossings (if any) encountered during crossings prior to start of the execution of work. Complete work of installation of carrier pipe by HDD method for River / Major Canal / National Highway / any other crossing wherever required in rocky strata/terrain including "Receiving and taking over" Owner supplied coated line pipes from Owner's designated place to issue/ dump site(s) and transportation to Contractor's stock yard/ work shop/ work site including all handling loading, unloading, aligning etc. supply of all Contractor supplied material including manpower, equipment, consumables and other resources and acquiring the required land for storage, fabrication including string preparation of pipes, welding, welding repair, radiography, UT, coating of field joints with special type Heat Shrink Sleeve and repair of pipeline coating with special repair patch materials as per Specification, pre-hydro testing etc. of complete string made for crossing access for Contractor etc. and execution of, but not limited to, following works in accordance with specifications and instruction of Engineer-in-Charge and as per all provision of Contract Document. Excavating entry and exit pit, Drilling to required depth including maintenance of drill hole in all types of strata, all depth to accommodate the pipeline at all conditions encountered during crossing by approved HDD methods procedure for providing minimum cover specified in code/ specification or as decided by concerned authority, whichever is more. Backfilling of the ditch/ trench including restoration and cleanup of area and all other works including cleaning, gauging, swabbing, final hydro testing and pneumatic testing etc. along with mainline works required as per specification, approved drawings, calculations, methods and to the satisfaction of Engineer-in-Charge and/ or as directed by concerned Authority. The Entire work shall be executed as per permission from Statutory authority. Restoration after completion of crossing as per direction of Statutory authority / Owner / PMC and obtaining NOC. Note : 1. Above rates are inclusive of loading. transportation & unloading of GGL supplied line/casing pipes. 2. Supply & installation of marker will be claimed as per the relevant SOR line item. 3. Rates are inclusive repair of Holiday in Coating, supply of all coating repair materials as per requirements of specification to be compatible with line pipe coating material, supply of all consumables, utilities, equipments and all manpower required, pipe cleaning and surface preparation, repairing of coating defects (resulting in holiday) and testing including all handling, transportation, etc. for line pipes, performing all works necessary for the completion of the works strictly in accordance with relevant specification and instructions of OWNER EIC. 4. Rates are inclusive of identificaiton of U/G utilities by trial pits and providing hard barrication as per GGL approved drawing along trench, pipeline sections and pits. No separate rates shall be paid for transporation, loading and unloading of Hard barricades on site. 5. The length of HDD shall be as per design and drawing prepared by contractor and approved by OWNER EIC/TPIA. 6. Payment for the length of final tied-in carrier pipeline string with mainline laid by HDD are inclusive in this above item rate. No separate payment shall be made under other clauses mentioned elsewhere. 7. This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline and final tie-in welding of new pipeline with existing charged pipeline. However, nitrogen required for purging activites shall be claimed seperately as per given SOR 8. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 9. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.							
6.1	301002	4” NB Carrier Pipe Only	Meter	10260.78	0	0	1	10260.78	
6.2	301003	6” NB Carrier Pipe Only	Meter	12314.03	0	0	1	12314.03	
6.3	301004	8” NB Carrier Pipe Only	Meter	14355.13	0	0	1	14355.13	
6.4	301005	10” NB Carrier Pipe Only	Meter	15395.22	0	0	1	15395.22	
6.5	301006	12” NB Carrier Pipe Only	Meter	18513.85	0	0	1	18513.85	
6.6	301007	16” NB Carrier Pipe Only	Meter	21686.17	0	0	0	0.00	No network of given size
6.7	301008	18” NB Carrier Pipe Only	Meter	23719.42	0	0	0	0.00	No network of given size

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REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
7		PIPELINE LAYING BY HDD METHOD WITH CASING PIPE (O&M) - ALL SOIL/TERRAIN EXCEPT ROCKY STRATA The job includes but not limited to Pre-Construction survey based on site visit, collection of data (if required) from concerned Authority including preparation of Crossing drawing as per permission from authority and as per survey data for getting approval from concerned Authority/ Engineer-in-Charge, getting work permit/ NOC for crossings as well as utility crossings (if any) encountered during crossings prior to start of the execution of work. Complete work of installation of carrier pipe with casing by HDD method for Railway / National Highway / Canal / Any other crossing wherever required in rocky strata/terrain including "Receiving and taking over" Owner supplied coated line pipes from Owner's designated place to issue/ dump site(s) and transportation to Contractor's stock yard/ work shop/ work site including all handling, loading, unloading, aligning etc. supply of all Contractor supplied material including manpower, equipment, consumables and other resources and acquiring the required land for storage, fabrication including string preparation of pipes, welding, welding repair, radiography, UT, coating of field joints with special type Heat Shrink Sleeve and repair of pipeline coating with special repair patch materials as per Specification, pre-hydro testing etc. of complete string made for crossing access for Contractor etc. and execution of, but not limited to, following works in accordance with specifications and instruction of Engineer-in-Charge and as per all provision of Contract Document. Excavating entry and exit pit, Drilling to required depth including maintenance of drill hole in all types of strata, all depth to accommodate the pipeline at all conditions encountered during crossing by approved HDD methods procedure for providing minimum cover specified in code/ specification or as decided by concerned authority, whichever is more. Supply of all other contractor supplied materials viz. casing insulators and casing end seals as per standard drawing, materials for casing vents and drain with proper plugging to fill the petroleum jelly / wax, etc. including supply of all other materials, equipment, consumables, manpower, welding including visual inspection of all weld joints, installation of casing insulators end seals, vent and drain-off pipes with threaded plugs, Filling of the Casing pipe with Petroleum jelly / Wax / Bentonite Slurry as per direction of Engineer in charge and performing above works as per drawings, specifications and instructions of Engineer-in-Charge and provisions of contract document. Backfilling of the ditch/ trench including restoration and cleanup of area and all other works including cleaning, gauging, swabbing, final hydro testing and pneumatic testing etc. along with mainline works required as per specification, approved drawings, calculations, methods and to the satisfaction of Engineer-in-Charge and/ or as directed by concerned Authority. The Entire work shall be executed as per permission from Statutory authority. Restoration after completion of crossing as per direction of Statutory authority / Owner / PMC and obtaining NOC. Note : 1. Above rates are inclusive of loading, transportation & unloading of GGL supplied line/casing pipes. 2. Supply & installation of marker will be claimed as per the relevant SOR line item. 3. Rates are inclusive repair of Holiday in Coating, supply of all coating repair materials as per requirements of specification to be compatible with line pipe coating material, supply of all consumables, utilities, equipments and all manpower required, pipe cleaning and surface preparation, repairing of coating defects (resulting in holiday) and testing including all handling, transportation, etc. for line pipes, performing all works necessary for the completion of the works strictly in accordance with relevant specification and instructions of OWNER EIC. 4. Rates are inclusive of identificaiton of U/G utilities by trial pits and providing hard barrication as per GGL approved drawing along trench, pipeline sections and pits. No separate rates shall be paid for transporation, loading and unloading of Hard barricades on site. 5. The length of HDD shall be as per design and drawing prepared by contractor and approved by OWNER EIC/TPIA. 6. Payment shall be made on the actual length of casing pipe installed and Payment for the length of final tied-in carrier pipeline string with mainline laid by HDD / Normal are inclusive in this above item rate. No separate payment shall be made for the same under other clauses mentioned elsewhere. 7. This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline and final tie-in welding of new pipeline with existing charged pipeline. However, nitrogen required for purging activites shall be claimed seperately as per given SOR 8. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 9. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.							
7.1	704298	8" NB Casing Pipe	Meter	23399.36	0	0	1	23399.36	
7.2	704937	10" NB Casing Pipe	Meter	24419.70	0	0	1	24419.70	
7.3	704299	12" NB Casing Pipe	Meter	25013.08	0	0	1	25013.08	
7.4	704300	16" NB Casing Pipe	Meter	29806.12	0	0	1	29806.12	
7.5	704301	18" NB Casing Pipe	Meter	32450.51	0	0	1	32450.51	
7.6	704302	24" NB Casing Pipe	Meter	34928.78	0	0	1	34928.78	
7.7	704303	36" NB Casing Pipe	Meter	37752.73	0	0	0	0.00	No network of given size

 GUJARAT ENERGY RENEWABLE ENERGY DEVELOPMENT CORPORATION		SCHEDULE OF RATES				DOC. NO. - MAT-F-11				
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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA										
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS										
8		PIPELINE LAYING BY HDD METHOD WITH CASING PIPE (O&M) - ROCKY STRATA The job includes but not limited to Pre-Construction survey based on site visit, collection of data (if required) from concerned Authority including preparation of Crossing drawing as per permission from authority and as per survey data for getting approval from concerned Authority/ Engineer-in-Charge, getting work permit/ NOC for crossings as well as utility crossings (if any) encountered during crossings prior to start of the execution of work. Complete work of installation of carrier pipe with casing by HDD method for Railway / National Highway / Canal / Any other crossing wherever required in rocky strata/terrain including "Receiving and taking over" Owner supplied coated line pipes from Owner's designated place to issue/ dump site(s) and transportation to Contractor's stock yard/ work shop/ work site including all handling, loading, unloading, aligning etc. supply of all Contractor supplied material including manpower, equipment, consumables and other resources and acquiring the required land for storage, fabrication including string preparation of pipes, welding, welding repair, radiography, UT, coating of field joints with special type Heat Shrink Sleeve and repair of pipeline coating with special repair patch materials as per Specification, pre-hydro testing etc. of complete string made for crossing access for Contractor etc. and execution of, but not limited to, following works in accordance with specifications and instruction of Engineer-in-Charge and as per all provision of Contract Document. Excavating entry and exit pit, Drilling to required depth including maintenance of drill hole in all types of strata, all depth to accommodate the pipeline at all conditions encountered during crossing by approved HDD methods procedure for providing minimum cover specified in code/ specification or as decided by concerned authority, whichever is more. Supply of all other contractor supplied materials viz. casing insulators and casing end seals as per standard drawing, materials for casing vents and drain with proper plugging to fill the petroleum jelly / wax, etc. including supply of all other materials, equipment, consumables, manpower, welding including visual inspection of all weld joints, installation of casing insulators end seals, vent and drain-off pipes with threaded plugs, Filling of the Casing pipe with Petroleum jelly / Wax / Bentonite Slurry as per direction of Engineer in charge and performing above works as per drawings, specifications and instructions of Engineer-in-Charge and provisions of contract document. Backfilling of the ditch/ trench including restoration and cleanup of area and all other works including cleaning, gauging, swabbing, final hydro testing and pneumatic testing etc. along with mainline works required as per specification, approved drawings, calculations, methods and to the satisfaction of Engineer-in-Charge and/ or as directed by concerned Authority. The Entire work shall be executed as per permission from Statutory authority. Restoration after completion of crossing as per direction of Statutory authority / Owner / PMC and obtaining NOC. Note : 1. Above rates are inclusive of loading. transportation & unloading of GGL supplied line/casing pipes. 2. Supply & installation of marker will be claimed as per the relevant SOR line item. 3. Rates are inclusive repair of Holiday in Coating, supply of all coating repair materials as per requirements of specification to be compatible with line pipe coating material, supply of all consumables, utilities, equipments and all manpower required, pipe cleaning and surface preparation, repairing of coating defects (resulting in holiday) and testing including all handling, transportation, etc. for line pipes, performing all works necessary for the completion of the works strictly in accordance with relevant specification and instructions of OWNER EIC. 4. Rates are inclusive of identificaiton of U/G utilities by trial pits and providing hard barrication as per GGL approved drawing along trench, pipeline sections and pits. No separate rates shall be paid for transporation, loading and unloading of Hard barricades on site. 5. The length of HDD shall be as per design and drawing prepared by contractor and approved by OWNER EIC/TPIA. 6. Payment shall be made on the actual length of casing pipe installed and Payment for the length of final tied-in carrier pipeline string with mainline laid by HDD / Normal are inclusive in this above item rate. No separate payment shall be made for the same under other clauses mentioned elsewhere. 7. This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline and final tie-in welding of new pipeline with existing charged pipeline. However, nitrogen required for purging activites shall be claimed seperately as per given SOR 8. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 9. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.								
8.1	704304	8" NB Casing Pipe	Meter	24572.10	0	0	1	24572.10		
8.2	303318	10" NB Casing Pipe	Meter	25080.85	0	0	1	25080.85		
8.3	704305	12" NB Casing Pipe	Meter	26685.83	0	0	1	26685.83		
8.4	704306	16" NB Casing Pipe	Meter	27978.86	0	0	1	27978.86		
8.5	704307	18" NB Casing Pipe	Meter	31623.26	0	0	1	31623.26		
8.6	704308	24" NB Casing Pipe	Meter	36156.66	0	0	1	36156.66		
8.7	704309	36" NB Casing Pipe	Meter	40980.61	0	0	0	0.00	No network of given size	
9		NDT of Weld Joints - U/G or A/G • Arranging Licensed RT Agency with Certified Manpower for RT, UT, MPT & DPT • Safe Transportation of Required RT Unit at Site • RT as per the Technical & Safety Compliance • Processing RT Films, Preparing Reports with Comments • RT of Repair Joints • Compliance of all HSE Requirements • Job shall be carried out as per ASME B 31.8/ API 1104. Compliance of all statutory requirement and permits shall be under Contractor's scope. Note: 1. This line item is not applicable for SOR line item 77. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.								
9.1	302590	X-Ray of Weld Joints for Pipe	Inch Dia	261.25	60	25	85	22206.25		

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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
9.2	302591	Gamma-Ray of Weld Joints for Pipe	Inch Dia	386.25	0	0	1	386.25	
9.3	904477	Ultrasonic Testing of Joints/Fittings	Per day	4000.00	10	10	20	80000.00	
9.4	903261	MPT of Weld Joints	Per day	4000.00	10	0	10	40000.00	
10		Field pipe / joint coating of different size as mentioned below, with HEAT SHRINKABLE Sleeves / DENSO MAKE/R-95 EPOXY tape at all the weld Joints for underground pipeline as per the Owner’s specification. The job includes the preparation of trenches for joint coating, surface preparation by mechanical cleaning through power brush, primer application, wrapping of tape, edge preparation, holiday test etc. The supply of all consumables, utilities, equipment, and all manpower required, pipe cleaning and surface preparation and testing including all handling, transportation, etc. included in this schedule of item. Job shall be carried out as per ASME B 31.8/ API 1104. Compliance of all statutory requirement and permits shall be under Contractor's scope. Note: 1. Excavation rates will be paid separately in case of trench being opened for maintenance. In case of new laying/ shifting, SOR line item no. 4 & 77 are applicable and shall not be given seperate rate with this line item. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 4. Excavation of trench/pit depth up to 1.5 meters and width as per actual site condition are included in this rate. For trench depth more than 1.5 meters, separate rates for excavation as per other SOR line items will be applicable.							
10.1	300950	Cost for supply of R-95 EPOXY	Litre	3045.00	0	0	1	3045.00	
10.2	300951	Cost for supply of HEAT SHRINKABLE TAPE upto 8" NB dia	Sq Mtr	2500.00	20	40	60	150000.00	
10.3	300952	Cost for supply of HEAT SHRINKABLE TAPE from 10" NB to 18" NB dia	Sq Mtr	3500.00	0	35	35	122500.00	
10.4	300953	Cost for application of R-95 EPOXY	Sq Mtr	6462.06	20	0	20	129241.29	
10.5	300954	Cost for application of HEAT SHRINKABLE TAPE up to 8" NB dia	Sq Mtr	6183.76	20	35	55	340106.54	
10.6	300955	Cost for application of HEAT SHRINKABLE TAPE from 10" NB to 18" NB dia	Sq Mtr	6387.05	0	0	1	6387.05	
11	300956	Peel off test on existing buried pipeline to check the health of pipeline and corrosion on pipe surface. The Job includes but not limited to excavation of inspection pit of required size. After inspection, cleaning, coating repair, holiday check, back filling and final cleanup. etc, as per drawing and direction of OWNER EIC peel off is to be carried out on pipelines of all diameters. Compliance of all statutory requirement and permits shall be under Contractor's scope. Notes: 1. Excavation of trench depth up to 1.5 meters is included in this rate and width as per actual site condition are included in this rate. For trench depth more than 1.5 meters, separate rates for excavation as per other SOR line items will be applicable. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 4. For Supply & installation of coating material, separate SOR line item will be applicable.	Per Pit	9559.00	0	0	1	9559.00	
12		Hydrostatic Testing of Pipes/Pipeline - Preparing & Approval of Line History Sheet and drawing for the same - Temporary welding arrangement / Welding for Hydrostatic testing - Arranging & Filling of Required Water - Pressurization & Holding of Line Pressure - De-Pressurization & De-Watering of Line Pipe - Flushing with Compressed air - Supply of all consumable like fasteners, gaskets, testing assembly, etc. - Cutting of Temporary Fittings Weld for Testing - Compliance of all HSE Requirements Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 3. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope.							
12.1	906236	Hydro Testing of pipeline Size upto 8" NB	Meter	654.48	60	35	95	62175.66	
12.2	906237	Hydro Testing of pipeline Size > 8" NB	Meter	1108.28	0	25	25	27706.89	

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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
13		Pneumatic Testing of Pipes/Pipeline • Arrangement of Air Compressor or Nitrogen cylinder • Providing & Installation of Vent Pipes as per the Plan * Temporary welding arrangement / Welding • Pneumatic Testing as per the Procedure • Insertion of Blind Spread of Flange if required • Pressurization of Pipeline Section • Leakage checking of each joints with soap solution • Leakage if any rectification by De pressurization the section • Again Pressurization of section to required Pressure • Leak checking and De pressurization of section • Providing schematic drawing as per PTW requirement • Compliance of all the HSE Requirements Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 3. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope.							
13.1	906238	Pneumatic Testing of pipeline Size Upto 8” NB	Meter	571.99	60	35	95	54338.86	
13.2	906239	Pneumatic Testing of pipeline Size > 8”	Meter	921.99	0	20	20	18439.76	
14		Drying of the pipeline section (O&M) Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 3. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope.							
14.1	704311	Drying of pipeline size Upto 8”NB	Meter	433.64	60	0	60	26018.40	
14.2	704312	Drying of pipeline size > 8” NB	Meter	783.64	0	0	1	783.64	
15		Pre Fabrication and installation of Under Ground Pipe Spools as per site measurement • Material Issue, Collection of TC from GGL, loading, Transportation and unloading, Offering TC to TPIA for Review & Reconciliation • Providing all the Machinery like lifting & welding, Tools Tackes & Consumables at Site for Cutting, Grinding, Beveling, Fit Up, Welding & Repairing • Procedure & Welder Qualification as per the QAP • Cutting of Required Size of Pipe Spool • Grinding, Matching ID, Beveling, DPT, Fit Up, Welding, NDT and pre-hydro testing. • Compliance of all HSE Requirements • Preparation and get approval of as built drawing Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline and final tie-in welding of new pipeline with existing charged pipeline. However, nitrogen required for purging activites shall be claimed seperately as per given SOR 3. Rates are inclusive of NDT and hydrotesting of the spool. 4. Rates are inclusive of making temporary joints of pipe spool with hydrotest header, NDT before hydrotesting and cutting of temporary joints of pipe spool with hydrotest header after hydrotesting. 5. For Supply & installation of coating material, separate SOR line item will be applicable. 6. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 7. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing. 8. Compliance of all statutory requirement and permits shall be under Contractor's scope. 9. Excavation of trench/pit depth up to 1.5 meters and width as per actual site condition are included in this rate. For trench depth more than 1.5 meters, separate rates for excavation as per other SOR line items will be applicable.							
13.1	704313	Pipe Wall Thickness upto 6.4 mm	Inch Dia.	4681.07	30	35	65	304269.55	
13.2	704314	Pipe Wall Thickness > 6.4 mm to 9.5 mm	Inch Dia.	4735.07	10	0	10	47350.70	
13.3	300973	Pipe Wall Thickness > 9.5 mm upto 15.09 mm	Inch Dia.	4833.47	0	0	1	4833.47	
13.4	300974	Pipe Wall Thickness > 15.09 mm upto 26.19 mm	Inch Dia.	5133.87	0	0	1	5133.87	
13.5	300975	Pipe Wall Thickness > 26.19 mm	Inch Dia.	5369.07	0	0	0	0.00	No network of given size
13.6	300976	Installation of Weldolet/Sockolet	Nos	2279.70	10	8	18	41034.60	

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REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS										
14		Fabrication and installation of Above ground piping as per site requirement Fabrication of grade ASTM A333 / API 5L / ASTM A 106 & equivalent grade of different schedule/wall thickness and size as well as IS 1239 including, handling, aligning, cutting, beveling /edge preparation, installation of associated fittings / flanges, fit-up, tie-in, welding, Radiography ,UT, DP, transportation of fabricated spool to site/location, temporary supporting, erection and installation of fabricated aboveground piping at all elevations including handling, temporary supporting etc. The job includes carrying out pre-hydrostatic testing as per Owner approved procedure of completed Piping loop / Piping system as approved by Owner / Owner’s Representative to the specified pressures, providing all testing equipments / instruments / accessories, blind etc. including Pressure recorder, Temperature probe, Temperature recorder. Dewatering & painting of Spool after successful completion of hydro testing is also including in scope. (Pipe/ pipefittings shall be issued by OWNER at designated store.) Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline and final tie-in welding of new pipeline with existing charged pipeline. However, nitrogen required for purging activites shall be claimed seperately as per given SOR. 3. Rates are inclusive of NDT and hydrotesting of the spool. 4. Rates are inclusive of making temporary joints of pipe spool with hydrotest header, NDT before hydrotesting and cutting of temporary joints of pipe spool with hydrotest header after hydrotesting. 5. For Supply & installation of painting material, separate SOR line item will be applicable. 6. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 7. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing. 8. Compliance of all statutory requirement and permits shall be under Contractor's scope.								
14.1	302594	Schedule 40	Inch Dia	2249.82	60	45	105	236230.83		
14.2	302601	Schedule 80	Inch Dia	2329.56	120	40	160	372729.89		
14.3	303319	Schedule 160	Inch Dia	2227.42	0	0	1	2227.42		
15		Installation of above ground flanged end valves (Inclusive of remote Control and actuator operated valves) of various sizes and pressure class in piping system including removal of flanges, blinds, dropping of pipe spool, providing temporary supports if necessary, stud nuts loosening / tightening, gasket insertion and torque setting with all tools/tackles/manpower etc. of valves sizes, Hydra and other lifting equipment inclusive of scaffolding arrangement at site if required. Supply of gaskets and stud nuts are under bidders scope and SOR line items are available in Section B SOR for bidder to quote the rate Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline and installation of valve with existing charged facility However, nitrogen required for purging activites shall be claimed seperately as per given SOR. 3. Work is envisaged to be executed by standing at a height of 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the SOR line item no.67 will be paid if bidder has to execute the job at more than 3 mtrs height. 4. Incase Under ground flanged end valve installation is required, same rate shall be applicable. However for additional works, separate rates as per other SOR line items will be applicable. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 6. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing. 7. Compliance of all statutory requirement and permits shall be under Contractor's scope.								
15.1	300958	Up to & including 2” NB	Nos	4116.02	4	4	8	32928.13		
15.2	300959	3” NB & 4" NB	Nos	4116.02	12	2	14	57624.23		
15.3	300960	6” NB & 8" NB	Nos	7174.35	4	0	4	28697.40		
15.4	300961	10" NB & 12" NB	Nos	7174.35	2	4	6	43046.10		
15.5	300962	16" NB & 18" NB	Nos	7266.02	0	0	0	0.00	No network of given size	

 GUJARAT ENERGY RENEWABLE ENERGY DEVELOPMENT CORPORATION LIMITED		SCHEDULE OF RATES	DOC. NO. - MAT-F-11						
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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
16		Removing of above/under ground valves (Inclusive of remote control and actuator operated valves) of various sizes and pressure class from the line and putting blinds / spool pieces etc., for various pipe sizes etc. including stud, nut loosening, cutting & welding of the pipes/fittings/flanges, if required, gasket changing with all tools / tackles / manpower etc. of valves sizes. Supply of gaskets and stud nuts are under bidders scope and SOR line items are available in Section B SOR for bidder to quote the rate. Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline and installation of valve with existing charged facility However, nitrogen required for purging activites shall be claimed seperately as per given SOR. 3. Work is envisaged to be executed by standing at a height of 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the SOR line item no.67 will be paid if bidder has to execute the job at more than 3 mtrs height. 4. Excavation of trench/pit depth up to 1.5 meters and width as per actual site condition are included in this rate. For trench depth more than 1.5 meters, separate rates for excavation as per other SOR line items will be applicable. 5. Incase Under ground flanged end valve installation is required, same rate shall be applicable. However for additional works, separate rates as per other SOR line items will be applicable. 6. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 7. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing. 8. Compliance of all statutory requirement and permits shall be under Contractor's scope. 9. Separate rates shall be paid for breaking of valve chamber as per relevant SOR line items.							
16.1	300963	Up to & including 2” NB	Nos	3913.88	0	2	2	7827.76	
16.2	300964	3”NB & 4" NB	Nos	3730.55	0	0	1	3730.55	
16.3	300965	6”NB & 8" NB	Nos	6880.55	10	0	10	68805.50	
16.4	300966	10" NB & 12" NB	Nos	6880.55	0	2	2	13761.10	
16.5	300967	16" NB & 18" NB	Nos	6972.22	0	0	0	0.00	No network of given size
17	301090	Placement and installation of new equipment on foundation (piping, electrical/ instrumentation panel, DG Set, DRS/CPRS, structural steel, metering skid, CNG Compressor etc.) carefully including bolting and grouting as directed by OWNER EIC. Note: 1. Rate is inclusive of all necessary manpower and tools tackles/equipments required for installation. 2. Rates are inclusive for mobilisation of required manpower, machinery, consumables and associated material and their loading, unloading & transportation. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 4. Contractor to supply & install hard barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.	Per Hour	2940.51	72	60	132	388147.69	
18	300946	Dismantling & removing the existing installed equipments (piping, electrical/ instrumentation panel, DG Set, DRS/CPRS, structural steel, metering skid, CNG Compressor etc) carefully including loosening the nuts, bolt, cutting etc(if required). and stacking the equipments/ material within a radius of 250 Mts. and as directed by OWNER EIC. Note: 1. Rate is inclusive of all necessary manpower and tools tackles/equipments required for installation. 2. Rates are inclusive for mobilisation of required manpower, machinery, consumables and associated material and their loading, unloading & transportation. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 4. Contractor to supply & install hard barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.	Per Hour	4012.18	72	60	132	529607.69	
19		Dismantling of above ground piping spool along with flanges from line for various pipe sizes and putting blind including stud, nut removing, cutting if required & handling with all tools / tackles / manpower/machinery etc and stacking all within radius of 250Mtr as per OWNER EIC instructions. Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline and installation of valve with existing charged facility However, nitrogen required for purging activites shall be claimed seperately as per given SOR. 3. Work is envisaged to be executed by standing at a height of 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the SOR line item no.67 will be paid if bidder has to execute the job at more than 3 mtrs height. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 5. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing. 6. Compliance of all statutory requirement and permits shall be under Contractor's scope. 7. Separate rates shall be paid for transportation beyond 250 mtr. as per relevant SOR line item							
19.1	300968	Up to & including 4” NB	Meter	2097.56	20	20	40	83902.40	
19.2	300969	6” NB & 8" NB	Meter	2347.56	20	10	30	70426.80	
19.3	300970	10" NB & 12" NB	Meter	2597.56	0	0	1	2597.56	
19.4	300971	16" NB & 18" NB	Meter	2847.56	0	0	0	0.00	No network of given size

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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA										
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS										
20		Dismantling and removing of under ground pipeline section from line for various pipe sizes and putting blind/end cap & handling with all tools / tackles / manpower/machinery etc and stacking all within radius of 250Mtr as per OWNER EIC instructions. Note : 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline and installation of valve with existing charged facility However, nitrogen required for purging activites shall be claimed seperately as per given SOR. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 4. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing. 5. Compliance of all statutory requirement and permits shall be under Contractor's scope. 6. Separate rates shall be paid for transportation beyond 250 mtr. as per relevant SOR line item 7. Separate rates shall be paid for breaking of valve chamber as per relevant SOR line items. 8. Excavation of trench depth up to 1.5 meters is included in this rate and width as per actual site condition are included in this rate. For trench depth more than 1.5 meters, separate rates for excavation as per other SOR line items will be applicable. 9. Contractor to supply & install hard barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.								
20.1	704315	Up to & including 4” NB	Meter	2080.13	0	0	1	2080.13		
20.2	704316	6” NB & 8" NB	Meter	2091.73	20	0	20	41834.67		
20.3	704317	10" NB & 12" NB	Meter	2103.33	0	0	1	2103.33		
20.4	704318	16" NB & 18" NB	Meter	2118.13	0	0	0	0.00	No network of given size	
21		SUPPLY AND INSTALLATION OF MARKERS FOR STEEL PIPELINE NETWORK Supply, fabrication and installation of all types of permanent markers along the route including loading, tranportation and unloading of prefabricated marker from contractor store/ware house to site location, all associated civil works such as excavation in all types of soil, construction in all types of soil, construction of pedestals and grouping with concrete, clearing, supply and Painting of numbers, direction, change etc., restoration of area to original condition and performing all works as per drawing, specification and instruction of Engineer-in-Charge Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.								
21.1	905068	KM marker with post and foundation as per drawing (as per GGL requirement / standard drawing)	Nos	7308.00	10	10	20	146160.00		
21.2	301072	Warning markers with Post & foundations	Nos	6315.00	20	15	35	221025.00		
21.3	301073	Warning Plate (Square/Rectangle) markers without Post & foundations	Nos	3959.00	4	0	4	15836.00		
21.4	701606	Direction Marker (If required)	Nos	5361.00	10	10	20	107220.00		
21.5	301071	RCC route marker	Nos.	2868.00	120	60	180	516240.00		
21.6	301074	Aerial Marker - Limited to transmission pipeline (NG pipeline) only	Nos.	6315.00	2	0	2	12630.00		
22		Modification in Cased Crossing : Cased Crossing & Horizontal Directional Drilling Service								
22.1	904068	Removal of Carrier Pipe size upto 12" NB from Cased Crossing Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 4. Contractor to supply & install hard barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.	Meter	9768.98	0	0	1	9768.98		
22.2	906301	Supply & Installation of Insulators with Fasteners for Carrier Pipe upto 12" NB insterted in casing pipe of size <= 18” NB Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 4. Contractor to supply & install hard barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.	Nos	674.10	0	0	1	674.10		

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REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
22.3	906300	Supply & Installation of Insulators with Fasteners for Carrier Pipe >=12" NB inserted in casing pipe of size > 18" and up to 36" Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 4. Contractor to supply & install hard barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.	Nos	1110.70	0	0	1	1110.70	
22.4	901723	Cutting of Casing Pipe by Grinding Machine Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 4. Contractor to supply & install hard barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.	Meter	1078.00	0	0	1	1078.00	
23		FABRICATION & LONGITUDINAL WELDING OF CASING PIPE AS PER DRAWINGS / DESIGN FOR MODIFICATION IN EXISTING CASING PIPE. Supply and trasnportation of casing pipe, Offering TC to TPIA for Review & Reconciliation Providing all the Machinery like lifting & welding, Tools Tackles & Consumables at Site for Excavation, Cutting, Grinding, Bevelling, Fit Up, Matching ID, NDT including DPT, & Welding Preparation and get approval of as built drawing. Repair of casing pipe surface as per approved GGL procedure. Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 4. Contractor to supply & install hard barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing. 5. Rates for supply of casing pipe shall be claimed as per relevant SOR line items							
23.1	704319	Installation of Casing Pipe Wall Thickness < = 6.4 mm	Meter	1515.98	0	0	1	1515.98	
23.2	704320	Installation of Casing Pipe Wall Thickness > 6.4 mm upto 9.5 mm	Meter	1903.08	0	0	1	1903.08	
23.3	301076	Installation of Casing Pipe Wall Thickness Above 9.5 mm & upto 15.09 mm	Meter	2003.96	0	0	1	2003.96	
24		Operation and Greasing of valves of size from 1" NB to 18" NB of various pressure class with high pressure Grease/ pneumatic Sealant Gun under the supervision of OWNER's representative. Consumables, Grease/Sealant and Grease Gun/pneumatic sealant gun will be in scope of Contractor. Notes: 1. Operation includes valve operation for maximum upto 10 cycles (opening and closing) or as per the instructions from GGL EIC whichever is lower for each valve for each instance. 2. Rates are inclusive of nitrogen needed to operate grease gun and required couplers, connectors, nozzles or any other means necessary to ensure greasing of the valves , contractor has to arrange the same on his own. 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. In case of valves with Gear Box - Greasing inside the Gear Box will be in scope of Contractor. This shall include Opening and closing of gear box top plate, as applicable and Greasing of the Gear Box as per the instruction of EIC. 5. In case of operation and greasing of small valves, typically 1) lever operated small size valves and 2) isolation valves of auxillary connections (ball valves, needle valves) i.e. sealant injection points, vent connections, drain connections, contractor to carry out general maintenance, greasing/oiling and operation of valves as per the instructions from EIC. 6. Compliance of all statutory requirement and permits shall be under Contractor's scope. 7. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 8. Contractor to supply & install hard barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.							
24.1	704321	Valve Size <= 2" NB	Nos	263.20	870	350	1220	321104.00	
24.2	704322	valve size >2" NB and upto 6" NB	Nos	843.80	312	40	352	297017.60	
24.3	704323	valve size >6" NB and upto 12" NB	Nos	1881.80	20	80	100	188180.00	
24.4	704324	valve size >12" NB and upto 18" NB	Nos	2260.80	0	0	1	2260.80	

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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA								
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS								
25		Operation check of Manual/ Hydraulic operated Valves of size from 1" NB to 18" NB of various pressure class by manual opening and closing in presence and as per instruction of OWNER EIC Note: 1. Manual operation is limited for maximum of 10 cycles (opening and closing) or as per the instructions from GGL EIC whichever is lower for each valve for each instance. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.						
25.1	704325	Valve Size <= 2" NB	Nos	239.40	870	350	1220	292068.00
25.2	704326	valve size >2" NB and upto 6" NB	Nos	239.40	312	40	352	84268.80
25.3	704327	valve size >6" NB and upto 12" NB	Nos	798.00	20	80	100	79800.00
25.4	704328	valve size >12" NB and upto 18" NB	Nos	798.00	0	0	1	798.00
26		Spray painting of Valves (Plug, Ball & Globe) of different sizes and pressure class including, surface preparation, supply of paint and application of 2 coat of high build chlorinated rubber / zinc phosphate primer and two coats of finished paint of epoxy paint of colour shade as instructed by OWNER EIC after proper scraping of existing paint by power brushing or suitable method and clearing of surface free from foreign materials to give an even shade as per the nstructions of OWNER EIC. All the above activities shall be as per the scope of work, technical specifications, procedures and guidelines mentioned in Tender Document. Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.						
26.1	301025	Valve Size <= 2" NB	Nos	643.09	436	350	786	505468.74
26.2	704329	valve size >2" NB and upto 6" NB	Nos	821.24	156	40	196	160963.04
26.3	704330	valve size >6" NB and upto 12" NB	Nos	1264.48	10	80	90	113803.20
26.4	704331	valve size >12" NB and upto 18" NB	Nos	1887.90	0	0	1	1887.90
27		Painting of chamber, Sleeper and its Frame. - For Sleeper and Frame: supply of paint and application of 2 coat of high build chlorinated rubber / zinc phosphate primer and two coats of finished paint of epoxy paint of black colour/other colour shade as instructed by OWNER EIC after proper scraping of existing paint by power brushing or suitable method and clearing of surface free from foreign materials to give an even shade after proper scraping of existing paint by power brushing or suitable method and clearing of surface free from foreign materials as per the instructions of OWNER EIC - For Valve chamber/DPRC wall : Supply and painting of application of distamper white wash paint and stencilling/tagging of VALVE ID and details as per instruction of OWNER EIC. Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 4. Contractor to supply & install hard barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.						
27.1	704332	Valve Chamber depth <= 1.2 Meter, length and width as actual	Each	4994.44	168	68	236	1178688.21
27.2	303320	Valve Chamber depth > 1.2 Meter & <=2.0 Meter, length and width as actual	Each	5850.83	10	0	10	58508.30
27.3	303321	Valve Chamber depth > 2.0 Meter & <=3.0 Meter, length and width as actual	Each	6921.32	0	0	1	6921.32
27.4	303322	Valve Chamber depth > 3.0 Meter & <=4.0 Meter, length and width as actual	Each	7991.80	0	0	1	7991.80
27.5	303323	Valve Chamber depth > 4.0 Meter, length and width as actual	Each	9062.29	0	0	1	9062.29
27.6	704334	DPRC Chamber	Each	10002.38	0	0	1	10002.38
28		Dewatering of chamber Note: 1. Rate includes supply of dewatering pump/equipment and manpower for dewatering as per instruction by Owner/EIC. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 5. Contractor to supply & install hard barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.						
28.1	704335	Valve Chamber depth <= 1.2 Meter, length and width as actual	Each	868.80	168	68	236	205036.80
28.2	303324	Valve Chamber depth > 1.2 Meter & <=2.0 Meter, length and width as actual	Each	1447.99	10	0	10	14479.90

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REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
28.3	303325	Valve Chamber depth > 2.0 Meter & <=3.0 Meter, length and width as actual	Each	2171.99	0	0	1	2171.99	
28.4	303326	Valve Chamber depth > 3.0 Meter & <=4.0 Meter, length and width as actual	Each	2895.98	0	0	1	2895.98	
28.5	303327	Valve Chamber depth > 4.0 Meter, length and width as actual	Each	3619.98	0	0	1	3619.98	
28.6	704337	DPRC Chamber	Each	3371.98	22	0	22	74183.56	
29		Housekeeping and Cleaning of Chamber Note: 1. Rate includes supply of dewatering pump/equipment and manpower for dewatering as per instruction by Owner/EIC. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 5. Contractor to supply & install hard barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing.							
29.1	704338	Valve Chamber depth <= 1.2 Meter, length and width as actual	Each	693.00	168	68	236	163548.00	
29.2	303328	Valve Chamber depth > 1.2 Meter & <=2.0 Meter, length and width as actual	Each	693.00	10	0	10	6930.00	
29.3	303329	Valve Chamber depth > 2.0 Meter & <=3.0 Meter, length and width as actual	Each	1386.00	0	0	1	1386.00	
29.4	303330	Valve Chamber depth > 3.0 Meter & <=4.0 Meter, length and width as actual	Each	2079.00	0	0	1	2079.00	
29.5	303331	Valve Chamber depth > 4.0 Meter, length and width as actual	Each	2079.00	0	0	1	2079.00	
29.6	704340	DPRC Chamber	Each	2772.00	22	0	22	60984.00	
30	301068	LDT of steel pipeline network Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Per/Km	950.73	190	130	320	304233.60	
31	301069	LPT of steel pipeline network Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Per/Km	747.75	190	130	320	239280.00	
32	302596	Removal of 3LPE / Epoxy / CTE Coating from Line pipe or Line pipe Pieces (for using the coated pipe for above Ground installation) with GGL approved method. Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Sq Mtr	1697.00	0	0	1	1697.00	
33	302597	Shot Blasting (Copper Slag) on Pipe & Structures on approval of EIC. Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Sq Mtr	399.00	0	0	1	399.00	
34	301028	Supply and mobilization of Nitrogen of commercial grade in liquid Nitrogen tank including evaporator/ vaporiser with inlet and out let suitable hoses, connecting flanges with sealed clamping facilities etc. so that out let shall be pure vapour @500(approx) to 800 m3/hr flow rate is required with all accessories to OWNER's site. Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	190.00	0	0	1	190.00	

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REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
35	302598	Supply and mobilization of Nitrogen of commercial grade in loose Cylinder of individual capacity 7m3 (in loose cylinder/cascade/rack/bank) at a pressure of 145 kg/Sq cm and de-mobilization after completion of job including loading, unloading, handling Cylinder pressure regulator and pressure gauge with accessories etc.. Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	EACH	806.12	100	25	125	100765.00	
36	301031	Arrangement and mobilization of Fire Tender unit of capacity 10000 liters along with required crew members during emergency time OR during any critical activity at OWNER's sites. Note:For critical scheduled activities bidder will be informed during planning. But in case of handling any emergency, Fire tender unit shall be available whenever breakdown is attended by the team. Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Lump sum/ No.	34000.00	0	0	1	34000.00	
37	301032	Arrangement and supply of water in tanker truck / lorry for fire fighting during emergency Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Lump sum/ No.	2400.00	0	0	1	2400.00	
38	301033	Transportation of diesel in 200 liter capacity of MS barrel from approved Petrol pump retail outlet to OWNER's location as directed by engineer-in-charge for fuelling the DG sets. The job includes loading of filled drums in vehicle, transportation abiding all safety precautions and unloading at designated places. Transportation shall be maximum of 999 litters at a time. Note: 1. Transportation charges are inclusive of distance upto 70 KM. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Per Trip	1883.00	0	0	1	1883.00	
39	300947	Painting of piping/spool, Steel structural surfaces including supply of paint Surface preparation of installed piping/spool, Steel Structural surfaces to a finish of surface quality SA 2 ½ and roughness 60 microns minimum. Surface area of live line to be cleaned with abrasive paper to achieve required surface finish quality or any other safe method approved by GGL & its accessories, manpower, material etc. The job also includes painting of piping spool including supply of paint and application of 2 coats of zinc base zinc silicate primer or high build chlorinated rubber/ Polyurethane / Zinc phosphate of 70 micron each and two coats of high build epoxy finished paint of golden/ cannery yellow colour/other colour shade 90 micron each of approved quality including stencilling of line numbers, pipe tagging, flow direction arrow, other lettering as found condition of pipeline as per instruction of OWNER EIC. Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Work is envisaged to be executed by standing at a height of upto 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the SOR line item no.67 will be paid if bidder has to execute the job at more than 3 mtrs height. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 4. Rates are inclusive for supply & installation of barricading as per GGL approved drawing. 5. Compliance of all statutory requirement and permits shall be under Contractor's scope.	Sq Mtr	293.90	500	420	920	270388.00	

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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
40	702112	Power Spray or by hand painting of pipelines / pipings/ fittings, piping spool, fixtures, vessels and structural steel etc. including supply of paint and application of 2 coats of zinc base zinc silicate primer or high build chlorinated rubber/ Polyurethane / Zinc phosphate of 70 micron each and two coats of high build epoxy finished paint of golden/ cannery yellow colour/other colour shade 90 micron each of approved make as per the approved vendor list attached with this tender to give an even shade after proper scraping of existing paint by power brushing or suitable method and clearing of surface free from foreign materials including stencilling of line numbers, pipe tagging, flow direction arrow, other lettering as found condition of pipeline as per instruction of OWNER EIC. Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Work is envisaged to be executed by standing at a height of upto 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the SOR line item no.67 will be paid if bidder has to execute the job at more than 3 mtrs height. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 4. Rates are inclusive for supply & installation of barricading as per GGL approved drawing. 5. Compliance of all statutory requirement and permits shall be under Contractor's scope.	Sq Mtr	418.26	150	100	250	104565.00	
41	300957	Supply, transportation, fabrication and erection of Structural steel of various sizes along with required fasteners (plate, angel tee, channel, beam etc) for repair and maintenance supports. Rate also includes the surface cleaning by a suitable method, supply and application of two coat of high build chlorinated rubber / zinc phosphate primer and two coats of finished paint of epoxy of grey colour as specified by OWNER of approved make, the job is to be executed as per the direction of the OWNER EIC Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Work is envisaged to be executed by standing at a height of upto 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the SOR line item no.67 will be paid if bidder has to execute the job at more than 3 mtrs height. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 4. Rates are inclusive for supply & installation of barricading as per GGL approved drawing. 5. Compliance of all statutory requirement and permits shall be under Contractor's scope.	Kg	112.00	300	240	540	60480.00	
42	302599	Pipe Supports, Valve supports & Other Structures_Supply fabrication and erection of all types of pipe supports like clamps, saddle, guide, stops, cradles, Neoprene sheet, turn buckles, anchors, T posts, stockade/trestle and pipe bridge for overhead piping, frames for canopy, approach ladders and platforms, crossover, cable tray supports etc, including painting suitable for highly corrosive area as per specification labour and supervision & complete work as per drawing, specifications and instructions of Engineer-in-charge (bolts, nuts, washers, u-clamps etc for supporting shall be supplied by the Contractor within the rates quoted. These items will not be measured and paid separately). Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Work is envisaged to be executed by standing at a height of upto 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the SOR line item no.67 will be paid if bidder has to execute the job at more than 3 mtrs height. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 4. Rates are inclusive for supply & installation of barricading as per GGL approved drawing. 5. Compliance of all statutory requirement and permits shall be under Contractor's scope.	KG	112.00	40	40	80	8960.00	
43	903436	Dismantling of Roof Sheet (GI, Steel, PVC) Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Work is envisaged to be executed by standing at a height of upto 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the SOR line item no.67 will be paid if bidder has to execute the job at more than 3 mtrs height. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 4. Rates are inclusive for supply & installation of barricading as per GGL approved drawing. 5. Compliance of all statutory requirement and permits shall be under Contractor's scope.	Sq Mtr	349.75	100	25	125	43718.75	

 GUJARAT ENERGY RENEWABLE ENERGY DEVELOPMENT CORPORATION		SCHEDULE OF RATES	DOC. NO. - MAT-F-11						
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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
44	301096	Installation of RMG Module during Shutdown Job - if required Including connectivity with existing piping system including installation of flanges, providing temporary supports if necessary, stud nuts loosening / tightening, gasket insertion and torque setting with all tools/tackles/manpower etc. Hydra and other lifting equipment arrangement at site if required. Supply of gaskets and stud nuts are under bidders scope and SOR line items are available in Section B SOR for bidder to quote the rate. Note: 1. Separate rate for transportation of RMG module from GGL store to site (to and fro) will be paid as per relevant SOR line item. Loading and unloading of equipment is in contractor scope. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 4. Rates are inclusive for supply & installation of barricading as per GGL approved drawing. 5. Compliance of all statutory requirement and permits shall be under Contractor's scope. 6. This SOR line items are inclusive of testing, purging & commissioning of the facility. However, nitrogen required for purging activities shall be claimed separately as per given SOR. 7. Charges for other activities like installation of pipe spool, valves, painting, civil installation, supports, if any shall be claimed as per separate SOR line items	Each	15404.77	2	0	2	30809.54	
45	300977	Supply and Installation of chequered plate of required size including Gas cutting, grinding, welding, edge preparation for trenches, platforms etc including application of red oxide primer and two coats of finish paint of approved quality. Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 4. Contractor to supply & install barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of barricading as per GGL approved drawing.	Kg	121.48	120	80	200	24296.00	
46		Providing and fixing pre coated galvanized G.I. Sheet of approved colour on roofing and sides of Metering system, CGS/DRS/CPRS or DG Sets as per manufacturer’s instructions including providing sealant in the overlapping portion of sheets complete and including all accessories. Note: 1. Work is envisaged to be executed by standing at a height of 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. No separate rates for scaffolding shall be paid. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 5. Contractor to supply & install barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of barricading as per GGL approved drawing.							
46.1	300978	0.6 mm thick trapezoidal profile	Sq Mtr	1787.69	50	45	95	169830.40	
46.2	300979	0.6 mm thick corrugated profile	Sq Mtr	1787.69	50	30	80	143015.08	
47	301255	Providing & fixing hand railing with Class-B pipes on equipments like filter, PRS, operating platforms, buildings etc. The job includes surface cleaning, supply and application of two coats of red oxide primer and two coats of finish paint of approved quality. The job is to be executed as per the direction of the OWNER EIC Note: 1. Work is envisaged to be executed by standing at a height of 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. No separate rates for scaffolding shall be paid. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Kg	157.15	0	0	1	157.15	
48	301034	Painting of numbers/ letters/ logos/ arrow etc including supply of fluorescent/ highlighted paint/ acrylic emulsion/ oil paint of approved brand as per the approved vendor and quality wherever required as per directed by OWNER EIC. Note: 1. Work is envisaged to be executed by standing at a height of 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. No separate rates for scaffolding shall be paid. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Sq. Inch	16.13	5000	2450	7450	120168.50	

 GUJARAT ENERGY (Gujarat Hydrocarbons Limited)		SCHEDULE OF RATES				DOC. NO. - MAT-F-11			
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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
49	301035	Painting of numbers/ letters/ logos/ arrow etc including supply of Aluminium composed sheet of 3mm thick, fluorescent/ highlighted paint/ acrylic emulsion/ oil paint of approved brand as per the approved vendor and quality wherever required as per directed by OWNER EIC. Note: 1. Work is envisaged to be executed by standing at a height of 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. No separate rates for scaffolding shall be paid. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Sq. Inch	20.01	100	60	160	3201.60	
50	301036	Supply and filling of bentonite slurry/petroleum jelly/petroleum wax in pipe conduits. The Job includes provision of all required manpower, machinery, water and power etc., for complete job and as per instruction of EIC. Note: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 4. Contractor to supply & install barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of barricading as per GGL approved drawing.	Cubic Meter	806.97	0	0	1	806.97	
51		Hydro testing of Filters/Knock out drum. Complete hydrostatic test arrangement i.e. test facilities with high pressure hose pipe, pressure gauge, pressure recorder & chart, suitable manifold and any special requirement to conduct the same hydrostatic test at specified location. Temporary installation, modification of the piping, flanges or spool including supply and erection required for hydrotesting is also included. External auditor/ Competent person charges, if any shall be in the scope of ARC. Note: 1. Work is envisaged to be executed by standing at a height of 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. No separate rates for scaffolding shall be paid. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.							
51.1	301037	upto 12" NB dia size Filter/Knock out drum	Nos	20381.50	0	0	1	20381.50	
51.2	301038	> 12" dia size Filter/Knock out drum	Nos	20600.25	0	0	1	20600.25	
52		Trasportation Including loading and unloading of equipments, materials, pipes etc. and transportation of surplus debris beyond 250 meters. Note : 1. Transportation distance shall be considered from Source to destination (One way) only. 2. Compliance of all statutory requirement and permits shall be under Contractor's scope. 3. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 4. In case of requirement of hiring additional equipment for loading and unloading (Hydra, JCB), payment shall be made as per applicable SOR line item. Prior intimation and approval of EIC shall be mandatory.							
52.1	300990	Chhota Hathi or Equivalent Vehicles	Per KM	52.13	200	220	420	21894.60	
52.2	300991	Tata 407 or Equivalent Vehicles	Per KM	69.45	500	400	900	62503.07	
52.3	300992	Eicher or Equivalent Vehicles	Per KM	89.80	500	300	800	71842.80	
52.4	300993	Truck/Trailer	Per KM	105.81	500	500	1000	105807.78	
53		Hiring of following equipments and machineries for doing any work. The period of hiring will start after the equipment reaches at site and ends when equipment leaves the site. Break down period of equipment will not be paid. Normal working time per day will be 8 Hrs. Rate for idle time of shall be 50%. Hiring rates is inclusive of diesel, operators, maintenance cost etc. Note : 1. This rates are applicable for emergency handling. Final summary of idle time hours shall be duly approved by TPIA & EIC. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.							
53.1	301039	Dewatering pump of capacity 20 KL	Per Hour	156.25	20	20	40	6250.00	
53.2	704341	Hydra of lifting capacity upto 10 MT	Per Hour	750.00	10	20	30	22500.00	
53.3	704342	Hydra of lifting capacity > 10MT	Per Hour	1500.00	10	10	20	30000.00	
53.4	704343	Crane of capacity upto 30 MT	Per Hour	1875.00	0	0	1	1875.00	

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REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
53.5	704344	Crane of capacity > 30 MT	Per Hour	3750.00	0	0	1	3750.00	
53.6	301044	DG set	Per Hour	625.00	50	40	90	56250.00	
53.7	906379	Mechanical Excavator (i.e. JCB)	Per Hour	875.00	100	100	200	175000.00	
53.8	704345	Mechanical Excavator (i.e. Backhoe)	Per Hour	1050.00	20	0	20	21000.00	
54		Schedule of rates for extra works for manpower supply if needed incase of Urgency (Additional manpower if required in case of emergency and approved by OWNER EIC) 8 hours=day Note: These manpower rates will not be for applicable for attending single emergency or scheduled activities. They will be paid only if utilised for attending more than 1 emergencies simultaneously. Note: 1. In case of less than 8 working hours, rate for entire day will be provided. 2. in case of more than 8 working hours, rate of hours beyond 8 working hours will be provided on pro-rata basis. Rates should be inclusive of 3. Expenses towards mobilization and de-mobilization of the all required resources for the execution of job/activities mentioned in the SOR and as per the Scope of Work document. 4. Expnsenses and charges towards all types of documentations, Mobile phone handset and connections required to execute the job/activities in the SOR. 5. Expenses towards providing uniform and required PPE for the execution of job/activities as per the Scope of work document. 6. Expenses towards training and other HSE related compliance and requirements 7. Compliance of all statutory requirement and permits shall be under Contractor's scope.							
54.1	301045	Rigger	Per day	781.00	320	240	560	437360.00	
54.2	301046	Welder	Per day	1008.00	0	2	2	2016.00	
54.3	301047	Fitter	Per day	781.00	0	2	2	1562.00	
54.4	301048	Electrician/ Wireman	Per day	781.00	0	0	1	781.00	
54.5	301049	Instrument Technician / Tubing Fitter	Per day	781.00	30	20	50	39050.00	
54.6	301050	Helper/Unskilled Labour	Per day	693.00	200	100	300	207900.00	
54.7	704346	Grinder Operator	Per day	1008.00	0	2	2	2016.00	
54.8	704347	Fire Fighter	Per day	1008.00	0	0	1	1008.00	
55	301051	Draftsman for updating various type of drawings etc. for steel O&M works (including taking of required measurement from Site) 8 hours=day. Rate includes mobilisation, deployment and de-mobilisation of manpower, computer system with required software, internet connection etc. Deployed person shall have knowledge of AutoCAD and shall be well aware with the terminology and type of drawings associated with steel pipeline network and associated facilities. Note: 1. In case of less than 8 working hours, rate for entire day will be provided. 2. in case of more than 8 working hours, rate of hours beyond 8 working hours will be provided on pro-rata basis. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope.	Per day	1008.00	10	10	20	20160.00	
56	301054	Supply and replacement of Damaged End seal for Casing Pipe Note: 1. Rate is inclusive of excavation for exposing of casing pipe end and manpower and equipment supply to carry out activty as per direction by OWNER/EIC. 2. Excavation of trench/pit depth up to 1.5 meters and width as per actual site condition are included in this rate. For trench depth more than 1.5 meters, separate rates for excavation as per other SOR line items will be applicable. 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 6. Contractor to supply & install barricades as per site requirement and as per the instructions from GGL Engg in charge. Rates are inclusive for supply & installation of barricading as per GGL approved drawing.	Nos	10561.30	0	0	1	10561.30	
57		Supply of Casing Pipe as per IS: 3589 /API 5L Gr.B/IS: 2062 Gr.B x 9.5 mm WT including transportation to site as directed by EIC Note: - 1. Rate are inclusive of Procurement, loading, transportation, uloading and storage of casing pipes, wherever applicable as per specifications and instructions of Owner/Owner’s Representative. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.							
57.1	704310	6” NB Dia Casing pipe	Meter	2584.70	10	20	30	77540.88	
57.2	905058	8" NB Dia Casing Pipe	Meter	3411.54	10	0	10	34115.38	
57.3	906199	10” NB Dia Casing pipe	Meter	4290.47	0	0	1	4290.47	
57.4	905054	12" NB Dia Casing Pipe	Meter	5117.31	0	0	1	5117.31	
57.5	301018	14” NB Dia Casing pipe	Meter	5633.27	0	0	1	5633.27	
57.6	905055	16” NB Dia Casing Pipe	Meter	6460.11	0	0	1	6460.11	

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REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
57.7	905056	18" NB Dia Casing Pipe	Meter	7286.95	0	0	1	7286.95	
57.8	905200	20" NB Dia Casing pipe	Meter	8113.80	0	0	0	0.00	No network of given size
57.9	905057	24" NB Dia Casing Pipe	Meter	9773.99	0	0	0	0.00	No network of given size
58		Installation/replacement of Hot dipped zinc galvanised stud bolts as per ASME/T4S standard on EIC instructions. Class rating of the flanges to be considererd - 150#/300#/600# and Dimesions of bolts/studs shall conform ASME B 18.2.1 for respective class ratings for the flange sizes. Notes: 1. Rate are inclusive of Procurement, loading, transportation, uloding and storage of the material, wherever applicable as per specifications and instructions of Owner/Owner’s Representative. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 5. Work is envisaged to be executed by standing at a height of upto 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the SOR line item no.67 will be paid if bidder has to execute the job at more than 3 mtrs height.							
58.1	303332	Up to 2’’ NB	Nos	76.32	40	35	75	5723.75	
58.2	303333	3’’ NB	Nos	76.32	100	0	100	7631.67	
58.3	303334	4’’ NB	Nos	76.32	200	40	240	18316.00	
58.4	303335	6’’ NB	Nos	76.32	100	30	130	9921.17	
58.5	303336	8’’ NB	Nos	87.22	40	40	80	6977.52	
58.6	303337	10" NB	Nos	87.22	0	0	1	87.22	
58.7	303338	12’’ NB	Nos	87.22	40	40	80	6977.52	
58.8	303339	16’’ NB	Nos	124.86	0	0	0	0.00	No network of given size
58.9	303340	18’’ NB	Nos	124.86	0	0	0	0.00	No network of given size
59		Installation/replacement of Spiral wound SS 316 PTFE/CNAF/RPTFE Gaskets as per ASME/T4S standard on EIC instructions. Class rating of the flanges to be considererd - 150#/300#/600#. Dimesions and specifications of gasket shall confirm to the approved GGL technical specifications and data sheet. Notes: 1. Rate are inclusive of Procurement, loading, transportation, uloding and storage of the material, wherever applicable as per specifications and instructions of Owner/Owner’s Representative. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 5. Work is envisaged to be executed by standing at a height of upto 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the SOR line item no.67 will be paid if bidder has to execute the job at more than 3 mtrs height.							
59.1	303341	up to 2’’ NB	Nos	71.84	20	20	40	2873.64	
59.2	303342	3’’ NB	Nos	71.84	0	10	10	718.41	
59.3	303343	4’’ NB	Nos	71.84	20	10	30	2155.23	
59.4	303344	6’’ NB	Nos	71.84	20	10	30	2155.23	
59.5	303345	8’’ NB	Nos	71.84	20	8	28	2011.55	
59.6	303346	10" NB	Nos	107.76	0	0	1	107.76	
59.7	303347	12’’ NB	Nos	107.76	10	8	18	1939.71	
59.8	303348	16’’ NB	Nos	215.52	0	0	0	0.00	No network of given size
59.9	303349	18’’ NB	Nos	215.52	0	0	0	0.00	No network of given size
60	301064	Supply and installation of Copper jumpers as per GGL approved specification. Notes: 1.Rate are inclusive of Procurement, loading, transportation, uloding and storage of the material, wherever applicable as per specifications and instructions of Owner/Owner’s Representative. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 5. Work is envisaged to be executed by standing at a height of upto 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the SOR line item no.67 will be paid if bidder has to execute the job at more than 3 mtrs height.	Nos	579.30	100	70	170	98481.00	

		SCHEDULE OF RATES	DOC. NO. - MAT-F-11						
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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
61		Supply, fabrication and installation of brass flappers for vent Material shall be as per the approved GGL technical specifications and data sheet. Notes: 1.Rate are inclusive of Procurement, loading, transportation, unloading and storage of the material, wherever applicable as per specifications and instructions of Owner/Owner's Representative. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 5. Work is envisaged to be executed by standing at a height of upto 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the SOR line item no.67 will be paid if bidder has to execute the job at more than 3 mtrs height.							
61.1	704348	Vent Size upto 2" NB	Nos	1793.25	10	8	18	32278.43	
61.2	704349	Vent Size > 2" NB upto 4" NB	Nos	5093.25	0	0	1	5093.25	
62		Supply and installation of GI U-Clamp with PE sleeves/FRP strip Notes: 1.Rate are inclusive of Procurement, loading, transportation, unloading and storage of the material, wherever applicable as per specifications and instructions of Owner/Owner's Representative. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.							
62.1	906283	Up to 4" NB	Nos	152.36	20	10	30	4570.68	
62.2	301066	6" NB to 8" NB	Nos	162.36	20	10	30	4870.68	
62.3	906286	10" NB & 12" NB	Nos	212.36	8	8	16	3397.70	
62.4	906287	16" NB & 18" NB	Nos	312.36	0	0	0	0.00	No network of given size
63	301067	Supply and installation of Anchor fastening of size M-12 to M-20 as per site requirement for MRS/DRS/CPRS/Odorant Unit etc. Notes: 1.Rate are inclusive of Procurement, loading, transportation, unloading and storage of the material, wherever applicable as per specifications and instructions of Owner/Owner's Representative. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Nos	185.35	8	10	18	3336.30	
64	301256	Guniting on steel pipeline with steel mash & 2" thick RCC material From pipe size 4" NB to 18" NB Note: 1. Rate is inclusive of reinforcement steel, wire mesh,etc. 2. Rate are inclusive of Procurement, loading, transportation, unloading and storage of the material, wherever applicable as per specifications and instructions of Owner/Owner's Representative. 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Sq Mtr	175.00	120	50	170	29750.00	
65	901511	Sand Padding Including Supply of fine Sand : Padding & bedding as per the requirements and approved procedure Notes: 1.Rate are inclusive of Procurement, loading, transportation, unloading and storage of the material, wherever applicable as per specifications and instructions of Owner/Owner's Representative. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 5. Excavation of trench/pit depth up to 1.5 meters and width as per actual site condition are included in this rate. For trench depth more than 1.5 meters, separate rates for excavation as per other SOR line items will be applicable.	Cubic Meter	900.00	60	40	100	90000.00	

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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
66	904389	Supply and spreading of quarry spoils Notes: 1.Rate are inclusive of Procurement, loading, transportation, unloading and storage of the material, wherever applicable as per specifications and instructions of Owner/Owner's Representative. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	1503.92	10	0	10	15039.20	
67	301257	Supply and erection of Scaffolding for work involving height more than 3 meters, as per IS 3696 Part1 & 2. Notes: 1.Rate are inclusive of Procurement, loading, transportation, unloading and storage of the material, wherever applicable as per specifications and instructions of Owner/Owner's Representative. 2. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 3. Compliance of all statutory requirement and permits shall be under Contractor's scope. 4. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Sq. Mtr	285.00	0	0	1	285.00	
68	703166	Earthwork in excavation, foundation of walls, column etc. in all kinds of soil except rocky terrain, stacking the excavated earth at least 3 meter away from the edge of foundation trenches and disposal of surplus soil up to a lead of 50 Meter either way. Quantity for the excavation shall be passed on the_Earth work and excavation up to 1.5 Meter depth. Note: 1. This line item is not applicable for SOR line item 4 & 77. 2. Rates are inclusive of backfilling and restoration of site after completion of work 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	205.45	10	10	20	4109.00	
69	703167	Earthwork in excavation, foundation of walls, column etc. in all kinds of soil except rocky terrain, stacking the excavated earth at least 3 meter away from the edge of foundation trenches and disposal of surplus soil up to a lead of 50 Meter either way. Quantity for excavation shall be passed on the_Earth work and excavation above from 1.5 Meter to 3.0 Meter depth Note: 1. These rates are inclusive of all the shuttering, Scaffolding work required to keep the trench stable and safe for work to be exectued as per GGL HSE requirements. 2. Rates are inclusive of backfilling and restoration of site after completion of work 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	332.45	10	10	20	6649.00	
70	703168	Earthwork in excavation, foundation of walls, column etc. in all kinds of soil except rocky terrain, stacking the excavated earth at least 3 meter away from the edge of foundation trenches and disposal of surplus soil up to a lead of 50 Meters either way. Quantity for the excavation shall be passed on the_Earth work and excavation above from 3.0 Meter to 5.0 Meter depth Note: 1. These rates are inclusive of all the shuttering, Scaffolding work required to keep the trench stable and safe for work to be exectued as per GGL HSE requirements. 2. Rates are inclusive of backfilling and restoration of site after completion of work 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	805.40	6	10	16	12886.40	

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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
71	301091	Earthwork in excavation foundation of walls, column etc. in all kinds of soil except rocky terrain, stacking the excavated earth at least 3 meter away from the edge of foundation trenches and disposal of surplus soil up to a lead of 50 Meter either way. Quantity for excavation shall be passed on the_Earth work and excavation from depth greater than 5.0 Meter Note: 1. These rates are inclusive of all the shuttering, Scaffolding work required to keep the trench stable and safe for work to be executed as per GGL HSE requirements. 2. Rates are inclusive of backfilling and restoration of site after completion of work 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	962.88	0	0	1	962.88	
72	301092	Earthwork in excavation foundation of walls, column etc. in rocky terrain, stacking the excavated earth at least 3 meter away from the edge of foundation trenches and disposal of surplus soil up to a lead of 50 Meter either way. Quantity for excavation shall be passed on the_Earth work and excavation up to 1.5 Meter depth. Note: 1. This line item is not applicable for SOR line item 4 & 77. 2. Rates are inclusive of backfilling and restoration of site after completion of work 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	412.95	10	10	20	8259.00	
73	301093	Earthwork in excavation foundation of walls, column etc. in rocky terrain, stacking the excavated earth at least 3 meter away from the edge of foundation trenches and disposal of surplus soil up to a lead of 50 Meter either way. qty. for excavation shall be passed on the_Earth work and excavation above from 1.5 Meter to 3.0 Meter depth. Note: 1. These rates are inclusive of all the shuttering, Scaffolding work required to keep the trench stable and safe for work to be executed as per GGL HSE requirements. 2. Rates are inclusive of backfilling and restoration of site after completion of work 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	618.59	10	8	18	11134.62	
74	301094	Earthwork in excavation foundation of walls, column etc. in rocky terrain, stacking the excavated earth at least 3 meter away from the edge of foundation trenches and disposal of surplus soil up to a lead of 50 Meter either way. Quantity for excavation shall be passed on the_Earth work and excavation above from 3.0 Meter to 5.0 Meter depth. Note: 1. These rates are inclusive of all the shuttering, Scaffolding work required to keep the trench stable and safe for work to be executed as per GGL HSE requirements. 2. Rates are inclusive of backfilling and restoration of site after completion of work 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	1040.95	6	0	6	6245.70	
75	301095	Earthwork in excavation foundation of walls, column etc. in rocky terrain, stacking the excavated earth at least 3 meter away from the edge of foundation trenches and disposal of surplus soil up to a lead of 50 Meter either way. qty. for excavation shall be passed on the_Earth work and excavation from depth greater than 5.0 Meter Note: 1. These rates are inclusive of all the shuttering, Scaffolding work required to keep the trench stable and safe for work to be executed as per GGL HSE requirements. 2. Rates are inclusive of backfilling and restoration of site after completion of work 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	1168.95	0	0	1	1168.95	

 GUJARAT ENERGY RENEWABLE ENERGY DEVELOPMENT CORPORATION		SCHEDULE OF RATES	DOC. NO. - MAT-F-11						
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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
76	906246	Excavation in Khadi / Muddy Soil Surface for repair U/G steel pipeline network for shutdown/maintenance activity. Contractor scope of work includes following but not limited to - Excavation by Man or Machine - Providing Shuttering to entire Pits for protection - Providing Hard Barricading to entire Pit as per the instructions from Engg.-In-Charge. - Shifting of Soil from site at suitable location Note: 1. Maximum distance to be considered for spreading the surplus debris/soil is 250 meters as per the directions of EIC .Transportation charges as per SOR-B line item 21 will be paid separately in case surplus debris are to be transported for more than 250 meters distance from site. 2. Rates are inclusive of backfilling and restoration of site after completion of work 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	359.30	24	20	44	15809.20	
77		"PIPELINE LAYING / INSTALLATION_ALL TYPE OF SOIL_LENGTH UP TO 500 METER (O&M) - EXCLUDING PIPELINE SHIFTING WORK (MENTIONED IN SEPARATE SOR) (1) Loading, Transportation and unloading of OWNER supplied material as mentioned in the Scope of Work from OWNER’s designated storage location to CONTRACTOR’s storage location / worksite. Carrying out inspection of OWNER supplied material. (2) Procurement & supply of all materials, consumables, equipment, manpower and Machinery as per Scope of Work of the Contract document. (3) Perform preliminary activities including preparation of all type of drawings wherever required, handling, stacking, stringing of pipeline on Right of Use / route alignment, excavation, laying/installation of coated line pipes along with associated fittings and accessories. (4) Arrangement of all additional lands/space required for storage, fabrication, access of construction and any other activity associated with pipeline Laying/construction (5) Carrying out all temporary, ancillary, auxiliary works, ready for commissioning of pipeline as per drawings, specifications, other provisions of Contract document and instruction of EIC, including but not limited to carrying out the following: • Grading of work area, shifting of all obstruction within RoU/route alignment in coordination with concerned authorities. • Surveying of the detours if required at the time of construction • Installation of construction markers, sign boards (temporary & permanent) • Clearing, fencing, grubbing, cutting of trees, fulfilling all the requirements of various statutory/environment authorities to the entire satisfaction of authorities. • Counting the number and type of trees cut in presence of concerned authorities and keeping record thereof, stacking and handing over of all cut trees. (6) Trenching to 1.5 meters by excavation in all types of soils including rock breaking, chiselling or otherwise cutting different types of pavement, footpath, roads etc. as required. Storing excavated soil, reusable materials at designated area as per direction by EIC and to a width to accommodate the pipeline as per the relevant standard/specification etc. (7) The minimum depth of the top of pipeline shall be as per PNGRB standard for CGD and/or as per authority requirement measured from top of pipeline to the top of undisturbed surface of the soil. Dewater of trenches if required as per site condition. (8) Carrying out repairs of pipe defects/replacement in case of irreparable defects and repairs to defects of pipe coating not attributable to OWNER including defects/ damages occurring during transportation/handling/storage. (9) Checking, cleaning, aligning, bending, cutting and bevelling (as required) of pipes for welding and field adjustments including pipe fittings, welding, carrying out non-destructive testing of welds as required including 100% radiography and providing all requisite equipment, labour, supervision, materials, films, consumables, all facilities and personnel to process, develop, examine and interpret radiographs and other tests as required, carrying out repairs of weld joints found defective by Engineer-in-Charge, carrying out re-radiography and other tests as required on repaired joints.							
		(10) Repair of Holiday in Coating – Supply of all coating repair materials as per requirements of specification to be compatible with line pipe coating material, supply of all consumables, utilities, equipments and all manpower required, pipe cleaning and surface preparation, repairing of coating defects (resulting in holiday) and testing including all handling, transportation, etc. for line pipes, performing all works necessary for the completion of the works strictly in accordance with relevant specification and instructions of EIC. (11) Crossing the all-foreign pipeline with necessary concrete / PVC protection including co-ordination with all agencies and obtaining NOC. (12) Supply and installation of slope breakers, bank protection wherever required and as directed by EIC. (13) Carrying out air cleaning, gauging, pigging, flushing, cleaning and hydrostatic testing of complete pipeline with required quantity of corrosion inhibitor including pre-testing of designated sections complete as per specification and approved by EIC to specified pressures indicated elsewhere and duration after stabilization as per specification, providing all equipment, pumps, fittings, instruments, dead weight tester, pressure recorder, thermocouples, etc., and services, supervision, labour, consumables, water including supply of corrosion inhibitor, air etc., as required, locating of leaks and rectification of defect attributable to Contractor (rectification of defects in line pipe material not attributable to CONTRACTOR), re-testing after rectification, dewatering after successful completion of hydro testing of entire section and as approved by EIC. (14) De-watering, swabbing, and drying of the entire pipeline as per specification. All tying-in, including the tie-ins with adjacent section of the pipeline including welding, Golden Tie –In NDT and other test, joint coating. (15) Temperature Gauge, Pressure Gauge and Three way manifolds & other items required for construction / commissioning which are not mentioned in SOR - Optional / Generic items are to be included. No extra payment for the same shall be paid by Owner. (16) Protective coating of 500 micron thick two component (applied with the help of minimum three coats) liquid R-95 epoxy paint including supply of materials duly approved by Owner for all piping valves, fittings, structural steels etc. for buried installation and inside the valve pit as approved by the EIC. (17) Final clean-up and restoration of right-of-use and disposal of debris and surplus material to designated disposal areas and reinstalling the area to its earlier state as per satisfaction of concerned authority and as directed by EIC. Restoration after completion of crossing as per direction of statutory authority / Owner / PMC and obtaining NOC.							

 GUJARAT ENERGY RENEWABLE ENERGY DEVELOPMENT		SCHEDULE OF RATES	DOC. NO. - MAT-F-11						
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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
		(18) Preparation of as-built drawings pipe-books, as-built drawings in Hard copy and soft copy as mentioned in tender document. All the works shall be executed in accordance with the provision of contract including carrying out all temporary/ ancillary/ auxiliary works required for the performance of the works and al other acts, deeds, matters and things necessary to make the pipeline ready for pre commissioning activities. (19) Preparation of all detail job Procedure as per Specification, Drawings, Scope of Works and guideline provided in the tender document. All job procedures shall be reviewed by TPI and approved by PMC/EIC. This item shall be applicable for the underground steel grid main pipeline including distribution pipelines, fittings, valves & accessories etc. from existing/ proposed underground / aboveground tap-off points (I.e. including arrangement for making provision for tap-off except hot tapping and their hook-up) on existing aboveground installation at proposed CNG/ DRS Station. 20) The Repair of All types of Coating defects (attributable / not attributable to owner) in the pipes supplied by Owner are included in above item and No separate payment shall be made to the contractor for the same. 21) All the above activities shall be as per the scope of work, technical specifications, procedures and guidelines mentioned in Tender Document. 22) This SOR line itmes are inclusive of de-commissioning & purging of the existing charged pipeline and final tie-in welding of new pipeline with existing charged pipeline. However, nitrogen required for purging activites shall be claimed seperately as per given SOR. 23) This SOR is inclusive of transporatation of free issued material, mobilisation of required manpower, machinery, equipment, lifting equipment, consumables and associated material and their loading, unloading & transportation.							
77.1	704350	PIPELINE LAYING / INSTALLATION in all type of soil_ steel pipeline extension SIZE: 323.9 (12" NB) ,WT 6.4 mm, API 5L Gr. X52	Meter	4242.66	0	0	1	4242.66	
77.2	704351	PIPELINE LAYING / INSTALLATION in all type of soil_ steel pipeline extension SIZE: 219.1 (8" NB) ,WT 6.4 mm, API 5L Gr. X52	Meter	4042.58	0	0	1	4042.58	
77.3	704352	PIPELINE LAYING / INSTALLATION in all type of soil_ steel pipeline extension SIZE: 168.3 (6" NB) ,WT 6.4 mm, API 5L Gr. X52	Meter	3962.85	500	0	500	1981425.00	
77.4	704353	PIPELINE LAYING / INSTALLATION in all type of soil_ steel pipeline extension SIZE: 114.3 (4" NB) ,WT 6.4 mm, API 5L Gr. X52	Meter	3881.23	25	45	70	271686.10	
78	704354	Supply of skilled manpower (DME/B.E having minimum relevant experience of 1 year of steel pipeline O&M activity) for supporting GGL team on monthly basis including transporation, PPE, etc Note: 1. Prior approval/intimation from EIC shall be required. 2. Rates are inclusive of mobilization and de-mobilization of the resource, all type of documentation, Computer, Mobile phone handset and connections required to execute the job/activities as per the directions from EIC. 3. Rates are inclusive of providing uniform, required PPE. 4. Expenses towards training and other HSE related compliance and requirements 5. Other miscellaneous expenses and charges not mentioned above. 6. Compliance of all statutory requirement and permits shall be under Contractor's scope. 7. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Month	36908.00	0	0	1	36908.00	
79		Hydrostatic Testing of Valve Assembly for Butt weld End / Flanged End valves of various sizes and pressure Class - Preparing & Approval of Line History Sheet and drawing for the same - Temporary welding arrangement / Welding for welded valve for Hydrostatic testing - Temporary arrangement of flanges, studs-bolts-nuts & Gaskets for flanged end valves for hydrostatic testing - Arranging & Filling of Required Water - Pressurization & Holding of Line Pressure - De-Pressurization & De-Watering of Line Pipe - Flushing with Compressed air - Supply of all consumable like fasteners, gaskets, testing assembly, etc. - Cutting of Temporary Fittings Weld for Testing Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 3. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing as per the instruction of the EIC. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope.							
79.1	303350	Valve Size Upto 2" NB	Each	759.98	0	0	1	759.98	
79.2	303351	Valve Size 4" NB & 6" NB	Each	1142.96	0	0	1	1142.96	
79.3	303352	Valve Size 8" NB & 12" NB	Each	1525.94	0	0	1	1525.94	
79.4	303353	Valve Size 16" NB & 18" NB	Each	1908.93	0	0	1	1908.93	

 GUJARAT ENERGY RENEWABLE ENERGY DEVELOPMENT CORPORATION		SCHEDULE OF RATES	DOC. NO. - MAT-F-11						
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TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
80		Pneumatic Testing of Valve Assembly for Butt weld End / Flanged End valves of various size and pressure Class - Arrangement of Air Compressor or Nitrogen cylinder as per instructions from EIC. - Providing & Installation of Vent Pipes as per the Plan - Temporary welding arrangement / Welding for welded valve for Hydrostatic testing - Temporary arrangement of flanges, studs-bolts-nuts & Gaskets for flanged end valves for pneumatic testing - Pneumatic Testing as per the Procedure - Insertion of Blind Spread of Flange if required - Pressurization of Pipeline Section, Leakage checking of each joints with soap solution, Leakage if any rectification by De pressurization the section, Again Pressurization of section to required Pressure, Leak checking and De pressurization of section - Pressurization of Pipeline Section, checking for valve passing, rectification by De pressurization the section, Again Pressurization of section to required Pressure, checking for valve passing and De pressurization of section - Providing schematic drawing as per PTW requirement Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 3. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing as per the instruction of the EIC. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope.							
80.1	303354	Valve Size Upto 2" NB	Each	694.98	0	0	1	694.98	
80.2	303355	Valve Size 4" NB & 6" NB	Each	1012.96	0	0	1	1012.96	
80.3	303356	Valve Size 8" NB & 12" NB	Each	4457.76	0	0	1	4457.76	
80.4	303357	Valve Size 16" NB & 18" NB	Each	6339.15	0	0	1	6339.15	
81		Concrete coating on steel pipeline (Existing or New) as per GGL Technical Specifications including excavation Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 3. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing as per the instruction of the EIC. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope.							
81.1	303358	12" NB pipe (323.9 mm OD)	Sq. Meter	3846.55	0	20	20	76931.00	
81.2	303359	10" NB pipe (273.1 mm OD)	Sq. Meter	3800.71	0	0	1	3800.71	
81.3	303360	8" NB pipe (219.1 mm OD)	Sq. Meter	3751.05	50	20	70	262573.50	
81.4	303361	6" NB pipe (168.3 mm OD)	Sq. Meter	3703.18	50	0	50	185159.00	
81.5	303362	4" NB pipe (114.3 mm OD)	Sq. Meter	3651.17	0	0	1	3651.17	
82	303030	To locate steel pipeline with CAT method and marking of the same on site as per standard practice (paint marking, nail inserts etc.), preparation of drawing of pipeline with reference to some fixed points (i.e. pole, building etc) including depth of pipeline as required by GGL as per criticality of the site / situation inclusive of all manpower, machinery and other resources as required.	Meter	4.80	4000	600	4600	22080.00	
83		Cutting and bevelling of pipe, above ground or underground Pipe cutting, end bevelling and edge preparation of underground pipeline or above ground piping as per ASTM A 333, ASTM A 106, API 5L or as per the applicable standard. Notes: 1. Prior approval/intimation from EIC shall be required. 2. Charges include mobilization and de mobilization of manpower, machinery, consumables, and associated materials, along with loading, unloading, and transportation. 3. All activities shall be executed in accordance with GGL approved specifications and in compliance with GGL IMS procedures and guidelines. 4. Rates are inclusive of supply and installation of hard barricading as per GGL approved drawings. 5. Compliance with all statutory requirements and permits shall be under the Contractor’s scope. 6. Payment against this SOR line item is not applicable along with any other SOR line item where cutting and end preparation are already covered. 7. Work is envisaged to be executed by standing at a height of upto 3 meters. Rates to be quoted shall be inclusive of all Material and Manpower required. Separate rates for scaffolding as per the applicable SOR line item will be paid if bidder has to execute the job at more than 3 mtrs height. 8. Excavation of trench/pit is excluded from above SOR line item. Separate rates for excavation as per other SOR line items will be applicable, if applicable.							
83.1	303664	Pipe Wall Thickness upto 6.4 mm	Inch Dia	2906.93	0	0	1	2906.93	
83.2	303658	Pipe Wall Thickness > 6.4 mm to 9.5 mm	Inch Dia	2851.93	0	0	1	2851.93	
83.3	303659	Pipe Wall Thickness > 9.5 mm upto 15.09 mm	Inch Dia	3610.53	0	0	1	3610.53	
		SOR FOR CIVIL WORKS							
SR NO	SERVICE CODE	DESCRIPTION OF WORK							

		SCHEDULE OF RATES				DOC. NO. - MAT-F-11			
						REV. NO. - 01			
						EFFECTIVE DATE - 05-12-2025			
TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
1		Construction of Valve Chamber Note: Rate is inclusive of excavation in all type of soil, rouble soling, PCC Work , RCC Work, brick massonary work, supply and installation of TMT bars, plastering, painting, sleeper and frame installation as per GGL approved Chamber drawing. Note: 1. Rate are inclusive of supply of all type of material for Civil work, tools & tackles and machinery required for the required work. 2. These rates are inclusive of all the shuttering, Scaffolding work required to keep the trench stable and safe for work to be exectued as per GGL HSE requirements. 2. Rates are inclusive of backfilling and restoration of site after completion of work 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines. 6. If the valve chamber dimension is higher than the standard typical drawing, payment against this SOR line item shall be claimed along with payment against other applicable SOR line items for civil works pertaining only to the additional work beyond the standard typical drawing. Prior approval from GGL EIC is mandatory in such cases.							
1.1	704355	Valve Size 4" NB	Each	61010.07	0	0	1	61010.07	
1.2	704356	Valve Size 6" NB	Each	65007.24	0	0	1	65007.24	
1.3	704357	Valve Size 8" NB	Each	78454.78	0	0	1	78454.78	
1.4	704358	Valve Size 12" NB	Each	90874.99	0	0	1	90874.99	
2	301260	Demolishing of RCC work (Valve Chamber and DPRC) and disposal of debris Note: 1. Rate are inclusive of supply of all type of tools & tackles and machinery required for the required work. 2. Rates are inclusive of backfilling and restoration of site after completion of work 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	2928.10	0	20	20	58562.00	
3	301261	Demolishing of FULL BRICK MASONRY work (Valve Chamber and DPRC) including disposal of debris Note: 1. Rate are inclusive of supply of all type of tools & tackles and machinery required for the required work. 2. Rates are inclusive of backfilling and restoration of site after completion of work 3. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope. 5. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines.	Cubic Meter	1698.45	0	0	1	1698.45	
4		Providing, mixing and laying binding layer of PCC nominal mix							
4.1	704359	a) PCC 1:2:4	Cubic Meter	7365.15	0	20	20	147303.00	
4.2	905061	b) PCC 1:3:6	Cubic Meter	6833.40	0	0	1	6833.40	
4.3	301084	c) PCC 1:4:8	Cubic Meter	6326.05	0	0	1	6326.05	
5	301085	Providing and laying reinforced cement concrete of grade M-25 and down grade crushed stone aggregate in all types of structures like foundations, pedestals, pedestal bases, pipe supports, sleepers, columns, equipment, foundations, etc.	Cubic Meter	8683.80	0	20	20	173676.00	
6	301086	Providing and Placing Reinforced steel with TMT bar,YHSD bar in all shaps including curring,bending and binding as per the required shape.	Kg	89.65	0	20	20	1793.00	
7	301087	Supply,fabrication of material and manpower for installation of Wire-meshed fencing/construction of wall for fencing purpose as per GGL approved drawing.	Mtr	3724.40	0	0	1	3724.40	
8	301088	Providing and constructing brick mesonary in cement moltar of grade (1:6) including raking joints and necessary schafolding etc. the brick used shall have nominal compresive strength 35 kg / cm2.	Cubic Meter	6658.25	0	0	1	6658.25	
9	301089	Provinding and placing smooth face cement moltar plaster of 12mm thickness in 1:6 cement moltar including schfolding, curing etc. complete.	Sq Mtr	282.00	0	0	1	282.00	
10	703232	Supply and Laying as per pattern 75-80 mm thick rubber molded paver blocks in forecourt area or as per located in drawing (approved by client/consultant) having compressive strength 400 kg/sqcm laid over bed of 50 mm river sand and joints to be filled with river sand and compaction of mechanical compactor	Sq Mtr	1011.20	0	0	1	1011.20	
11	301098	Providing dry rubble stone pitching in various sizes for embankments and other purposes etc; in mortar C.M. (1:6) (1 cement, 6 sand) including supply of stone spalls for filling and wedging, hand packing in close joints with smaller chips and finish of line and slope etc; complete all as per specificaitons	Cubic Meter	3653.11	0	0	1	3653.11	
12	703182	Providing and laying 150mm thick W.B.M. in two layers with 25-40 mm metal with merrum filling in voids. Correcting the grade and chamber complete with rolling with 10 tonn roller watering including preparing the surfaces by brushing for removing all loose or dirt etc. complete.	Cubic Meter	2703.05	0	0	1	2703.05	
13	703192	CENTRING & FORM WORK_Providing form work of ordinary timber planking, shutteirng plywood or steel plates so as to give smooth finish, including centering, shuttering, strutting, proping, nalls, binding wire etc. comp. and removal of same for in-situ reinforced concrete and plain concrete work, below plinth level for foundation, footing, tiebeams/plints beams, columns copings cable trenches, canopy foundaiton, slabs floor slabs/compressor foundatons etc. complete in and as directed by Engineer-in-charge.	Sq Mtr	307.95	40	20	60	18477.00	
14	703193	CENTRING & FORM WORK_Providing form work of ordinary timber planking, shutteirng plywood or steel plates so as to give smooth finish, including centering, shuttering, strutting, proping, nalls, binding wire etc. comp. and removal of same for in-situ reinforced, concrete and plain concrete work, for superstructure works column, suspended floors, roofs, landings balconies access platform, lintals, beams, girders bressumers cantilevers, staires, parapets walls etc. complete	Sq Mtr	766.55	0	0	1	766.55	
15	703194	CENTRING & FORM WORK_Providing pockets for foundation bolts as per drawings, specifications & directions including providing and removing of necessary formwork made of plywood and timber etc. complete.	Each	55.43	0	0	1	55.43	

 GUJARAT ENERGY RENEWABLE ENERGY DEVELOPMENT CORPORATION		SCHEDULE OF RATES	DOC. NO. - MAT-F-11						
			REV. NO. - 01						
			EFFECTIVE DATE - 05-12-2025						
TENDER DESCRIPTION:- OPERATION & MAINTENANCE OF STEEL PIPELINE NETWORK & ASSOCIATED FACILITIES – BHAVNAGAR GA, AMRELI GA									
REQUIREMENT PERIOD (TENDERED DURATION):- TWO (2) YEARS									
16	303660	Supply & Installation of Sleeper for Valve Chamber including painting of sleeper as per GGL approved drawing Size: 1.5 mtr x 0.15 mtr x 0.1 mtr Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 3. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing as per the instruction of the EIC. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope.	Each	1366.30	0	0	1	1366.30	
17	905044	Supply & Installation of Sleeper for Valve Chamber including painting of sleeper as per GGL approved drawing Size: 1.2 mtr x 0.15 mtr x 0.1 mtr Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 3. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing as per the instruction of the EIC. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope.	Each	1154.24	0	0	1	1154.24	
18	300610	Supply & Installation of Sleeper for Valve Chamber including painting of sleeper as per GGL approved drawing Size: 1.2 mtr x 0.25 mtr x 0.1 mtr Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 3. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing as per the instruction of the EIC. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope.	Each	1255.69	0	0	1	1255.69	
19	905045	Supply & Installation of Sleeper for Valve Chamber including painting of sleeper as per GGL approved drawing Size: 1.0 mtr x 0.25 mtr x 0.1 mtr Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 3. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing as per the instruction of the EIC. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope.	Each	1044.07	0	0	1	1044.07	
20	303363	Supply & Installation of Sleeper for Valve Chamber including painting of sleeper as per GGL approved drawing All other Size Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 3. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing as per the instruction of the EIC. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope.	Cubic Meter	41762.99	0	0	1	41762.99	
21	New Code	Supply & Installation of Fibre Reinforced Plastic (FRP) Sleeper for Valve Chamber including as per GGL approved drawing Size: 1.2 mtr x 0.5 mtr Notes: 1. Charges are inclusive of mobilization, de-mobilization of required manpower, machinery, consumables and associated material along with loading, unloading and transportation. 2. All the activities shall be performed as per the GGL approved Specifications and in compliance with GGL IMS procedure & guidelines 3. Rates are inclusive for supply & installation of Hard barricading as per GGL approved drawing as per the instruction of the EIC. 4. Compliance of all statutory requirement and permits shall be under Contractor's scope.	Each	13500.00	0	0	1	13500.00	
								Total Value (Rs.)	32252744.53