INVESTOR RELATIONS

July, 2006

Contract Awarded USD 620 Million

- GS Caltex, HOU (Heavy Oil Upgrade) Plant -



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Yeosu, the project location, is a centralized site with plenty of group works from GS-Caltex and LG Petrochemical, so it maximizes synergy effect when carrying out the project. We are expected to strengthen our competitiveness in heavy oil upgrade facility construction through this project.

Project Summary				
Project Name	No.2 HOU Project			
Client	GS Caltex			
Location	Yeosu National Industrial Park, Yeosu, Cheonnam			
Contract Type	 Purchase / Outsourcing Construction: Cost+Fee Engineering / Construction Management: Fixed Lump sum 			
Scope	Engineering, procurement & construction for process, utility and offsite areas			
Contract Period	Dec., 2005 ~ March, 2008 (28 months)			
Financing	Self-financing of client			
Contract Amount	Approximately USD 623 million (KRW 593 bn)			
Payment Condition	Cash			

Project Scope				
Facility	Description	Scope		
VDU	Vacuum Distillation Unit	150,000 BPSD		
HCR	Hydrocracker	55,000 BPSD		
LOP	Lube Oil Plant	17,000 BPSD		
НМР	Hydrogen Production Facility	110 MMSCFD		
SRU	Sulfur Recovery Unit	300 Ton/Day		
Substation	Transformer Substation	154 kv		
U & O	Utility & Offsite	Including Tank 41		
Wharf facility	Wharf facility	10,000 DWT 1 Unit		







Based on the project know-how we have learned from RFCC of GS Caltex and Taiwan company, and BCC of S-Oil, we expect to enable efficient construction of the project. The payment and raw-material price cost risk and design cost increase will be hedged through the Cost+Fee contract.

Project Risk Analysis				
Performance	 Many experiences in HOU projects including RFCC facility from GS Caltex and Taiwan company, and BCC from S-Oil. By utilizing the advantage of carrying out many GS Caltex related project, GS E&C will execute this project without problems. 			
Payment	No risk due to payment in cash			
Material Cost and Foreign Exchange Risk	 The impact of material cost increase will be hedged by Cost + Fee contract. No foreign exchange exposure risk 			
Etc.	Set contingency in client's project budget in order to cover unexpected risks.			

GS Caltex Project Experience					
Project	Amount	Period	Scope		
GS Caltex BTX	KRW 5.6 bn.	'88 ~ '90	E,Ps,Cs		
GS Caltex PP	KRW 56.7 bn.	'90 ~ '92	E,P,C		
GS Caltex BTX	KRW 42.8 bn.	'94 ~ '96	E,Ps,C		
GS Caltex BTX	KRW 69.9 bn.	'01 ~ '03	E,Ps,C		
Alkylation	KRW 59.0 bn.	'03 ~ '05	E,C		
No.3 Reformate Splitter	KRW 24.3 bn.	'04 ~ now	E,Ps,C		
HOU Project Experience					
GS Caltex RFCC	KRW 440.0 bn.	'92 ~ '95	E,P,C		
S-Oil BCC	KRW 500.0 bn.	'92 ~ '96	E,Ps,Cm		
RFCC, Taiwan	USD 170 mil.	'99 ~ '01	E,P,C		





This facility firstly disposes the low-value added product, AR (Atmospheric Residue), which is produced through CDU process in refinery plant. Then, it produces high-value added products and manufactures lube oil additionally.

