

**BAPEX**, The state - owned  
Exploration & Production Organization.

***Innovation of the Year 2018-19.***

**Date : 29<sup>th</sup> May , 2019**

**Presented By:** Mohd, Ahsasul Amin, DGM (ICT), BAPEX.



# Innovation Plan

Sl#	Name of the Innovation	Year of Plan	Remarks
01	Online E-store Inventory Management	2018-19	
02	Video Conferencing System with Interactive Board.	2017-18	
03	Well Flow Management	2018-19	
04	Digital Display Board	2018-19	
05	Smart Energy Saving Lighting of BAPEX Bhaban	2017-18	
06			
07			
	<b>Total</b>		<b>75 (33 Work-Over)</b>

# Digital Display of BAPEX Bhaban

<http://202.79.19.127/bapex/Slider/slideshow/>

← → ↻ ⓘ Not secure | 202.79.19.127/bapex/Slider/slideshow/ ☆ 🌐 📶 📺 👤 ⋮

**BAPEX** 09:31:10 AM DATABASE ↗

**BAPEX**

MANAGING DIRECTOR OFFICE  
বাবুজগদীশ পরিসংখ্যান মহাসচিবের দপ্তর

- ▶ MD's Office
- ▶ Board Room

**FLOOR 6**



**Mir Md. Abdul Hannan**  
Managing Director  
Level-6, BAPEX Bhaban

**General Notice**

২৯-০১-২০১৯ তারিখে বাপেক্স বেতন ও ভাতাদি আদেশ, ২০১৫ এর ৬ষ্ঠ গ্রেডে পদোন্নতিপ্রাপ্ত কর্মকর্তাদের তালিকা

**Photo Gallery**



# Well Flow Management Application of BAPEX

<http://103.254.86.241:3332/apex/f?p=WELLSFLOW> user:01779660821

The screenshot shows a web browser window displaying the 'Wells Gas Flow' application. The browser's address bar shows the URL <http://103.254.86.241:3332/apex/f?p=116:1:1472931444490::NO::>. The application interface has a blue header with the title 'Wells Gas Flow' and a user profile icon for '01779660821'. A left-hand navigation menu lists various options: Home, Gas Field (10), Wells (12), Wells Docs (9), Wells Flow (25), Daily Production Report, Daily Gas, Condensate, W..., and Access Control. The main content area features a 'Wells Gas Flow' header with a rocket icon and the tagline 'Easily Manage Gas Field & Wells with Wells Docs'. Below this is a section for 'BAPEX Bangladesh Petroleum Exploration and Production Company Limited (BAPEX)'. This section includes an image of an industrial gas processing facility and a text block describing the company's history and operations. The text states that BAPEX was established in 1989 as the national exploration company, transformed into an exploration and production company in 2000, and is currently producing about 110 mmcf of gas daily from six onshore gas fields. It also mentions BAPEX's role in conducting drilling and work-over operations in its awarded areas.


**Wells Gas Flow**  
Easily Manage Gas Field & Wells with Wells Docs

**BAPEX**  
Bangladesh Petroleum Exploration and Production Company Limited (BAPEX)

Bangladesh Petroleum Exploration and Production Company Limited (BAPEX) was established in 1989 as the national exploration company by abolishing the Exploration Directorate of Petrobangla with a view to accelerating oil and gas exploration activities of the country. BAPEX was transformed into an exploration and production company in 2000 with a view to making it self-reliant. Currently BAPEX is producing about 110 mmcf gas daily from its six onshore gas fields (Saldanadi, Fenchuganj, Shahbazpur, Semutang, Shahjampur-Sundalpur, Srikail and Rupganj) contributing to mitigate the increasing gas demand of the country. Besides, exploration and drilling activities in its awarded areas, BAPEX has also been conducting drilling and work-over operations to other sister concerns of Petrobangla since its beginning. BAPEX was awarded exploration block 8 & 11 along with some ring-fenced structures. Oil and gas exploration and development activities are being conducted periodically in these areas.

# Online E-store Inventory Management

<http://202.79.19.134/eStore/Login>



**BAPEX e-Store Management Software**

## User Login

User Name:  
512

Password:  
●●●●●●●●

Remember me next time.

[Forgot Password?](#)

# Traditional Store Code:

**SR-5,P-213(1) = Air Filter ;**  
Qty:03 pc



1. **From which Division ?**
2. **For Which Engine (Generator / RIG / Vehicle ) ?**
3. **What the category or the model of RIG / Engine ?**
4. **What is the model of the Air Filter ?**

# Traditional Store Code:

SR-5,P-213(1) = Air Filter ; Qty: 03 pc

## E-STORE NUMBERING SYSTEM (12 DIGIT)

Division Code: Engineering = 15

Group Code: Rig Type (ZJ70DBS) = 03

Sub Group: Generator Model (CAT) = 08

Sub Sub Group : Air Filter Model = 14



**15-03-08-14-0001**

**means**

**Air Filter of Rig Generator of ZJ70DBS Rig of Engineering Division.**

# Introducing Bar Code Scanner in **e-store inventory Software**



# Material Searched by BAR CODE SCANNER

Material Indent List | Material Indent Entry

## Material Indent Entry

**Indent Info**

Originating Store: \* Drilling & Production Store CTG  
Destination Store: \* Srikaail Gas Field  
Indentor: Engr. Mohammad Ahsanul Amin [5]  
Indent No: \* Drilling & Production Store CT  
Ref. No:  
Indent Date: \*  
Remarks:


**Item Info**

Search By: Item Name Search Text: pcv  
Select Item: \* 32-02-01-03-0001 2 Inch Pressure Control Valves (PCV) 1500#

Store Name	Stock Qty	Unit	PO No	Project
Srikaail Gas Field	0.00	pc		
Shahbazpur Gas Field	2.00	pc		
Rupganj Gas Field	2.00	pc		
Shahzadpur Sundalpur Gas Field	2.00	pc		
Total Stock Qty:		6.00		

Demand Qty: \* Stock Qty: 0.00 pc **Add Item**

**Save** **Clear**



BAR CODE

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# PIR Motion Sensor Lighting of BAPEX Bhaban



- Reduce Electricity Bill
- Ensure Security

# Floor Naming with Details of BAPEX Bhaban



## Innovative design of Waiting Room at Level # 06

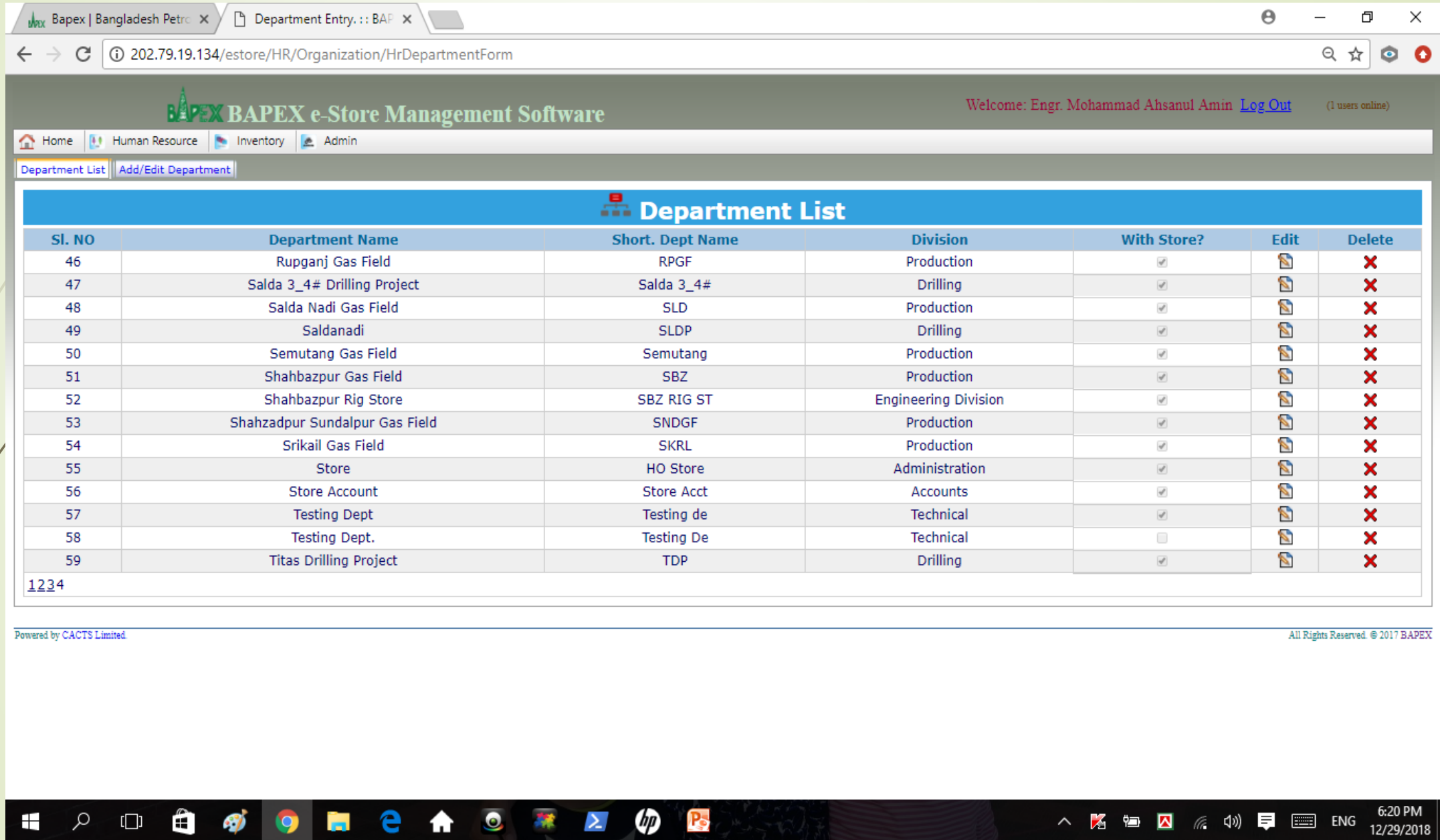




**Thanks.**



# Total no. of Physical Store listed : 69 No's



The screenshot displays the BAPEX e-Store Management Software interface. The browser address bar shows the URL: 202.79.19.134/estore/HR/Organization/HrDepartmentForm. The page title is "Department Entry. :: BAP". The software logo "BAPEX e-Store Management Software" is visible, along with a welcome message for "Engr. Mohammad Ahsanul Amin" and a "Log Out" link. The navigation menu includes "Home", "Human Resource", "Inventory", and "Admin". The "Department List" tab is active, showing a table with the following columns: SI. NO, Department Name, Short. Dept Name, Division, With Store?, Edit, and Delete. The table contains 1234 records, with the first 10 rows shown. The footer indicates "Powered by CACTS Limited" and "All Rights Reserved. © 2017 BAPEX".

SI. NO	Department Name	Short. Dept Name	Division	With Store?	Edit	Delete
46	Rugganj Gas Field	RPGF	Production	<input checked="" type="checkbox"/>		
47	Salda 3_4# Drilling Project	Salda 3_4#	Drilling	<input checked="" type="checkbox"/>		
48	Salda Nadi Gas Field	SLD	Production	<input checked="" type="checkbox"/>		
49	Saldanadi	SLDP	Drilling	<input checked="" type="checkbox"/>		
50	Semutang Gas Field	Semutang	Production	<input checked="" type="checkbox"/>		
51	Shahbazpur Gas Field	SBZ	Production	<input checked="" type="checkbox"/>		
52	Shahbazpur Rig Store	SBZ RIG ST	Engineering Division	<input checked="" type="checkbox"/>		
53	Shahzadpur Sundalpur Gas Field	SNDGF	Production	<input checked="" type="checkbox"/>		
54	Srikail Gas Field	SKRL	Production	<input checked="" type="checkbox"/>		
55	Store	HO Store	Administration	<input checked="" type="checkbox"/>		
56	Store Account	Store Acct	Accounts	<input checked="" type="checkbox"/>		
57	Testing Dept	Testing de	Technical	<input checked="" type="checkbox"/>		
58	Testing Dept.	Testing De	Technical	<input type="checkbox"/>		
59	Titas Drilling Project	TDP	Drilling	<input checked="" type="checkbox"/>		

1234

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# E-Store Database Dashboard of BAPEX

**Sub-sub Group List**

**Search Option**

Division: 15 ENGINEERING DIVISION    Group: Please Select    Search By: Select Search Criteria    Search

Sub Group: Please Select    Search Text:

SL No	Division Code	Division Name	Group Code	Group Name	Sub Group Code	Sub-sub Group	Edit	Delete
1	15	ENGINEERING DIVISION	15-01	IDECO	15-01-01	I Brake Block		
2						3" ISUNC 120" tTapper FLHD Brass MACH.SC1-1/2"		
3						ake Block Plug 1/2" Thick		
4						3" 16UNC.CAD.WAX COATED HUG LOCK NUT		
5						3" ISUNC 120 TRper FLHB, Bross Mech sc, 1.5"		
6					15-01-01-05	1G1C 1834		
7					15-01-01-06	Bracke Black Plug 1/2" thic IBA-128		
8					15-01-01-07	3/8" 16 Linc cad wax coated hug lock nat IN-405		
9					15-01-01-08	7" Pump Drive Belt		
10					15-01-01-09	Bit Nozzle D/Size		
					15-01-01-10	Chain for Link		

1 2 3 4 5 6 7 8 9 10 ...

**Total No. of Sub-sub Group: 3872**

# Sub - Sub Group for BAPEX's Store: 21332 No's

The screenshot displays the BAPEX e-Store Management Software interface. The main heading is "Sub-sub Group List". Below the heading is a search option section with the following fields:

- Division: Please Select
- Group: Please Select
- Search By: Select Search Criteria
- Search Text: [Empty]
- Sub Group: Please Select

The table below lists the sub-sub groups:

SL No	Division Code	Division Name	Group Code	Group Name	Sub Group Code	Sub Group Name	Sub-sub Group Code	Sub-sub Group	Edit	Delete
191	15	ENGINEERING DIVISION	15-01	IDECO	15-01-01	DRAW WORKS	15-01-01-09	Bit Nozzle D/Size		
192							15-01-01-10	Chain for Link		
193							15-01-01-11	POB2 Chain Input (2 Row)		
194							15-01-01-12	Clutch assy.		
195							15-01-01-13	Draw Works IDECO H-1700 Completed Set		
196							15-01-01-14	13/4" P. QUAD chain low drum drive × 103 links P/N: RC. 104 - 04		
197							15-01-01-15	13/4" P. QUAD offset links light drum drive P/N: IC - 679		
198							15-01-01-16	11/4" P. DBL chain input Shaft to rotary drive shaft × 92 links P/N: RC - 140-4		
199							15-01-01-17	Double Clutch complete assy 28 (B- 525)P/N :IA - 247 Single Clutch complete assy 28 (B- 525) dual flange single drill with one quick release		
200							15-01-01-18	Clutch complete assy P/N 20CB00		

... 11 12 13 14 15 16 17 18 19 20 ...

**Total No. of Sub-sub Group: 21332**

# Total Item listed : 29072 No's

Browser tabs: নথি | অফিস ব্যবস্থাপনা | Bapex | Bangladesh Petroleum E-Store | Item Information. :: BAPEX e-Store

Address bar: Not secure | 202.79.19.134/estore/Inventory/InvItemForm.aspx

Navigation: Home | Human Resource | Inventory | Admin

### Item List

**Search Option**

Item Type: Show All | Division: Please Select | Group: Please Select  
Sub Group: Please Select  
Sub-sub Group: Please Select  
Country of Origin: Please Select | Physical Condition: Please Select | Material Nature: Please Select  
Physical Store: Please Select | Location: Please Select | Search By: Select Criteria  
Search Text:  **Search**

SL No	Division Code	Division Name	Group Code	Group Name	Sub Group Code	Sub Group Name	Sub-sub Group Code	Sub-sub Group	Item Code	Item Name	Edit	Delete
241	15	ENGINEERING DIVISION	15-01	IDECO	15-01-02	Mud Pump	15-01-02-42	Piston 6.5"	15-01-02-42-0001	Piston 6.5"		
242							15-01-02-43	Packing For Valve	15-01-02-43-0001	Packing For Valve		
243							15-01-02-44	Coupling For Mud Pump	15-01-02-44-0001	Coupling For Mud Pump		
244							15-01-02-45	Fluid Block for Mud Pump	15-01-02-45-0001	Fluid Block for Mud Pump		
245							15-01-02-46	Stander For Mud Pump Made by Tbg	15-01-02-46-0001	Stander For Mud Pump Made by Tbg		
246							15-01-02-47	Stand for mud pump made by tubing	15-01-02-47-0001	Stand for mud pump made by tubing		
247							15-01-02-48	6" Mud hopee complete	15-01-02-48-0001	6" Mud hopee complete		
248							15-01-02-49	Fluid block for mud pump	15-01-02-49-0001	Fluid block for mud pump		
249							15-01-02-50	Coupling for Mud pump	15-01-02-50-0001	Coupling for Mud pump		
250							15-01-40-26	Pinion small	15-01-02-51-0001	Pinion small		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 ... >>

**Total No of Items: 29072**

Windows taskbar: Type here to search | 12:55 PM 1/27/2019

# Total item with different Qty: 26394 NO's = 3,93,163 Nos

Bapex | Bangladesh Petroleum E-Store Management Software

Welcome: Engr. Mohammad Ahsanul Amin [Log Out](#) (1 users online)

Home Human Resource Inventory Admin

Opening Balance List Opening Balance Entry

### Opening Balance List

**Search Option**

Store Name:  Item Type:  Division:

Group:  Sub Group:

Sub-sub Group:

Country of Origin:  Physical Condition:  Material Nature:

Location:  Search By:  Search Text:

Sl No	Item Code	Old Code	Item Name	Specification	Unit	Qty (New)	Qty (Reusable)	Qty (Scrap)	Qty (Used)	Remarks	Store Name	Edit	Delete
201	15-01-04-10-0001		Fuel Filter P/N 1R 0756		Nos	20.00					Titas Drilling Project		
202	15-01-04-11-0001		Oil Filter P/N 1R 0726		Nos	21.00					Titas Drilling Project		
203	15-01-04-12-0001		Spacer P/N: B1001-42		Nos	1.00					Titas Drilling Project		
204	15-01-04-13-0001		Separator A/F 1-Stage 490 CFM P/N: 124487-003/20		Nos	2.00					Titas Drilling Project		
205	15-01-04-14-0001		Element primary 11x17 filter fluid B/2 P/N:142136		Nos	2.00					Titas Drilling Project		
206	15-01-04-15-0001		Element primary 11x17 filter P/N:23458-4		Nos	2.00					Titas Drilling Project		
207	15-01-05-01-0001		Bendex Penion for Stator		Nos	1.00					Madhabpur Rig Base		
208	15-01-05-02-0001		Speed Control Unit/DWC-2000		Nos	1.00					Madhabpur Rig Base		
209	15-01-05-03-0001		Cat -648 KW Set Generator House SL- No FDF.15-018 without Silencer Box Completed Set under lock & key - 03		Set	1.00					Titas Drilling Project		
210	15-01-05-04-0001		Cat SCA supple men coolant additive		Nos	29.00					Titas Drilling Project		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 ... >>

**Total No of Items: 26394**

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# Inventory Report

**Inventory Report**

Store Name: Drilling & Production Store CTG    Item Type: Show All    Division: 21 ENGINEERING STORE C

Group: Please Select    Sub Group: Please Select

Sub-sub Group: Please Select

Country of Origin: Please Select    Physical Condition: Please Select    Material Nature: Please Select

Location: Please Select    Search By: Select Criteria    Search Text:

Report Format:  PDF  Excel  Word    **Preview**

**ReportViewer1.aspx - Google Chrome**

202.79.19.134/estore/Reports/Inventory/ReportViewer1.aspx?PageTitleFor=InventoryStatus&Format=PDF

ReportViewer1.aspx    1 / 84

**Bangladesh Petroleum Exploration & Production Company Limited (BAPEX)**  
**Stores Department**  
**Inventory Status Report**

Sl. No.	Item Code	Item Name	Unit	Qty (new)	Qty (Reusable)	Qty (Scrap)	Qty (Used)	Remarks
<b>Store Name: Drilling &amp; Production Store CTG</b>								
1	21-01-01-01-0001	Substructure, DZ450-11, China	Piece	1.00				
2	21-01-02-01-0001	Spring, JJ18036020808A	Piece	1.00				
3	21-01-02-01-0002	Spring, JJ1803614A04	Piece	4.00				
4	21-01-02-01-0003	Centering guide bearing	Piece	8.00				
5	21-01-02-01-0004	Dust cap, TC 1801400	Piece	10.00				
6	21-01-02-01-0005	Dust cap, TC 1800500	Piece	2.00				
7	21-01-07-01-0001	Pin D/S of sub structure and mast of nat -370 rig	Nos				174.00	
8	21-01-07-02-0001	Safety clips	Nos				103.00	
9	21-01-07-02-0002	Stand pipe clamps	Nos				1.00	
10	21-01-07-03-0001	3/4" nut bolt with washer	Nos				32.00	
11	21-01-07-03-0002	1 1/4"x2 3/4" Bolt with washer	Nos				12.00	
12	21-01-07-03-0003	3/4" bolt with washer	Nos				18.00	
13	21-01-07-03-0004	1/2" nut & bolt with washer	Nos				24.00	
14	07-03-0005	3/4" x 3 1/2" nut and bolt with washer	Nos				8.00	
15	07-03-0006	1 1/2" x 2" nut and bolt with washer	Nos				8.00	
16	07-03-0007	1/2 x 2" nut bolt with washer	Nos				58.00	

Windows Taskbar: 6:44 PM, 12/29/2018

# Introducing Barcode Scanner with the Software

**Material In**

Receive From :       Voucher No. :   
Receive To :       Date :   
Currency :       Decode Barcode :

S.No.	Item Code	Item Name	Qty.	Rate	Amount
1	HD-4575	Hard Disk	2.00	200.00	400.00
2	MB-57657	Mother Board	6.00	250.00	1500.00
3	P-34789	Processor	4.00	260.00	1040.00
4	SGS-002	Safety Guard-Stainless	7.00	45.00	315.00
5	SDB-003	Shaft for Disc and Blade	6.00	79.00	474.00
6	TS-001	Toggle Switch	5.00	50.00	250.00
7	CN-4646	Cashew Nuts	4.00	35.00	140.00

     Qty 34      Total : 4119.00

Other details : (If any)

Bill Sundry	@	Tax Class	Nature	Amount
Central Sales Tax	15.00	Percentage	Additive	617.85

     Grand Total : 4736.85



# Benefit of Software using Barcode Scanner



## Order Management

Quickly create, update and manage all your online and offline orders to streamline equipment rental operations across locations.



## Easy Dispatching and Documentation

Create customized professional-grade invoices and auto-generate these D/N or invoices to track payments on monthly orders with ease



## Inventory Management

Track the location, maintenance status, and availability of your rentals with ease, and set handy alerts to prevent stock outs. **Quick snapshot of searching items within BAPEX stores.**



## Go Mobile

Access your rental business from anywhere with our iOS and Android mobile app. Scan equipment Barcodes and QR Codes, too.



# Challenges to continue the software

- Individual experienced store personnel of each physical store.
- IT equipment with suitable internet connectivity facilities.
- Continuing Top to Bottom Management approach.
- Limitations of technical capabilities.
- **Changes in employee responsibilities.**
- Availability of internal technical knowledge and resources
- Education and training
- Implementation strategy and execution
- **Resistance to change.**