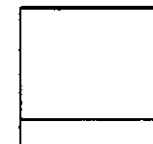


Request Date : 05-MAR-2018

Page : 1/2



: LG Electronics India (PVT.) Ltd

: 23654669

: 24-FEB-2018

Reference No : 17-18/GST/0301

: 0000-PUMDM_LOCAL-25037-180224-92923

: CHADHA, SANDEEP /IL191382 /10432

AP Voucher

DR1	18300311 Clearing Account_Assets(T 25037 / WMC - Development	INR SWADEE 7.5 KG MAUVE TRANSPARENT NEW_MOLD EAIL_K.S. PRECISION COMPONENTS PVT. LTD._IN003632	450,000.00	1	450,000.00	02-MAR-2018
DR2	11330924 Prepaid Taxes_SGST&UTGST(25037 / WMC - Development	INR MOLD_ITEM EAIL_K.S. PRECISION COMPONENTS PVT. LTD._IN003632	85,230.00	1	85,230.00	02-MAR-2018
DR3	11330924 Prepaid Taxes_SGST&UTGST(25037 / WMC - Development	INR MOLD_ITEM EAIL_K.S. PRECISION COMPONENTS PVT. LTD._IN003632	40,500.00	1	40,500.00	02-MAR-2018
DR4	11330924 Prepaid Taxes_SGST&UTGST(25037 / WMC - Development	INR MOLD_ITEM EAIL_K.S. PRECISION COMPONENTS PVT. LTD._IN003632	89,550.00	1	89,550.00	02-MAR-2018
DR5	18300311 Clearing Account_Assets(T 25037 / WMC - Development	INR SWADEE 7.5 KG MAUVE TRANSPARENT NEW_MOLD EAIL_K.S. PRECISION COMPONENTS PVT. LTD._IN003632	947,000.00	1	947,000.00	02-MAR-2018
DR6	11330923 Prepaid Taxes_CGST(Recove 25037 / WMC - Development	INR MOLD_ITEM EAIL_K.S. PRECISION COMPONENTS PVT. LTD._IN003632	85,230.00	1	85,230.00	02-MAR-2018
DR7	18300311 Clearing Account_Assets(T 25037 / WMC - Development	INR SWADEE 7.5 KG MAUVE TRANSPARENT NEW_MOLD EAIL_K.S. PRECISION COMPONENTS PVT. LTD._IN003632	995,000.00	1	995,000.00	02-MAR-2018
DR8	11330923 Prepaid Taxes_CGST(Recove	INR MOLD_ITEM	40,500.00	1	40,500.00	

Request Date : 05-MAR-2018

Page : 2/2

25037 / WMC - Development		EAIL_K.S. PRECISION COMPONENTS PVT. LTD._IN003632	02-MAR-2018
DR9	11330923 Prepaid Taxes_CGST(Recove 25037 / WMC - Development	INR MOLD_ITEM EAIL_K.S. PRECISION COMPONENTS PVT. LTD._IN003632	89,550.00 1 89,550.00
DR Total		2,822,560.00	2,822,560.00
CR1	21110101 Other Payable_Fixed Asset 25037 / WMC - Development	INR MOLD_ITEM EAIL_K.S. PRECISION COMPONENTS PVT. LTD._IN003632	2,822,560.00 1 2,822,560.00
CR Total		2,822,560.00	2,822,560.00

***** End of Reports *****



DF2

Receipt Submission Preview

Budget Submission Supplier Selection Order Submission Close Attach

Approval History

No	Department	Approval Type	Approver	Status	Approval Date	Remarks
1	REF-Procurement Tooling	Submission	SANDEEP SAINI	Approved	2018-02-22	OK

Submission No: 114216 181-00001

Request Date: 2018-02-21

Submission Title	NEW TOOL RECEIVED FROM K.S. PRECISION AT INVOICE NUMBER -17-18/GST/0301 AND SHIFED TO BEL
Requester	Amit Mishra

- 1- CHECK LIST AND TECH DETAIL ATTACHED
- 2- KS INVOICE ATTACHED
- 3- RFID ENTRY DONE
- 4- TMR AND RGP ATTACHED

Report Detail - Total Item Count : 3

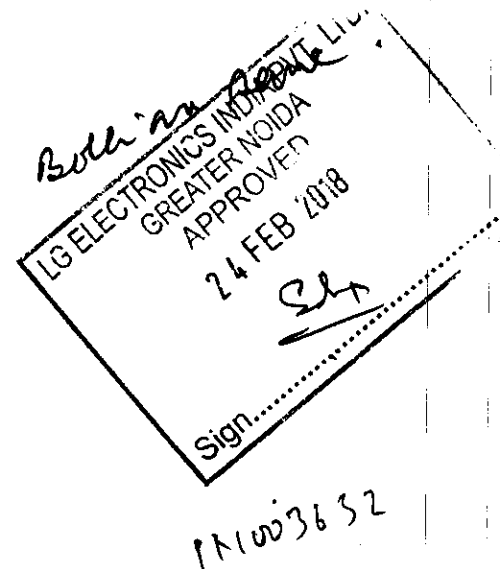
Model	Part No	Seq	Item Name	Family Part No	Item Type	Order Supplier	Prod Supplier	Currency	Received Amount	Project Code	Acquisition Dept	Schedule				
												Drawing Consent		First Prod Date		F
												Plan	Result	Plan	Result	
SWADEE 7.5 KG M	MCK70265901	1	Cover, Plunger V		MOLD	K.S. PRECISION COMPONENTS PVT. L	Shinkwang Electronics Private Limited	INR	947,000	DFZ18TL000061	WMC - Development			2018-01-10		2018
SWADEE 7.5 KG M	MHR83773201	1	Sleeve, Plunger		MOLD	K.S. PRECISION COMPONENTS PVT. L	Shinkwang Electronics Private Limited	INR	450,000	DFZ18TL000061	WMC - Development			2018-01-10		2018
SWADEE 7.5 KG M	MCD84347101	1	Connector, Plunger		MOLD	K.S. PRECISION COMPONENTS PVT. L	Shinkwang Electronics Private Limited	INR	995,000	DFZ18TL000061	WMC - Development			2018-01-10		2018

Supplier Order Amount SUM

Supplier Name	Currency	Order Amount SUM
K.S. PRECISION COMPONENTS PVT. L	INR	2,392,000

At the time of
new development
Dev. no change. by R&D,

(Rajeev Gupta)



23/2/2018

Reason for and no. change?

Order Submission

Budget Submission

Supplier Selection

Close

Attach

Approval History

No	Department	Approval Type	Approver	Status	Approval Date	Remarks
1	Procurement Tooling	Submission	WU SANG JEON	Approved	2018-02-12	Approved Activity for New Hor

Submission No : 232838-18V-00003

Request Date : 2018-02-10

Submission Title	Approval for PO releasing of PV Sleeve,PV connector & PV cover for Horizontal Assy.
Requester	RAJEEV GUPTA

Submission Detail

- Total Item Count : 3

Set	Model	Seq	Item Name	Family Part No	Item Type	First Prod. Date	Order Vendor	Currency	Budget Amount	Esti Amount	A
	Part No					Complete Date					
✓	SWADEE 7.5 k	1	Cover,Plung		MOLD	18-01-10	K.S. PRECISI	INR	960,000	947,000	
	MCK70265901					18-02-28					
✓	SWADEE 7.5 k	1	Sleeve,Plur		MOLD	18-01-10	K.S. PRECISI	INR	500,000	450,000	
	MHR63773201					18-02-28					
✓	SWADEE 7.5 k	1	Connector,I		MOLD	18-01-10	K.S. PRECISI	INR	1,020,000	995,000	
	MCD64347101					18-02-28					

Supplier Order Amount Sum

Supplier Name	Currency	Order Amount Sum
K.S. PRECISION COMPONENTS PVT. LTD.	INR	2,392,000

Estimate History Detail

-View ☐

The date(Create Date, Approved Date, Check Date) is based on Korean standard time(GMT+9)

Created Date 2017-12-12 21:33 (Korea Time)

Requested by RAJEEV GUPTA (LGEIL WMC-Procurement Tooling / asst.manager ,)

Subject Approval for releasing of Purchase Order for mould development of New PV Case Assy Swadee.

Retention 3 Year

Security Grade Browse;Download

EDMS Attributes

Tag UNUSE

Access *LG Electronics;*LGEIL WMC-Procurement Tooling

Permission Browse;Download

Content-Approval to release purchase order for Development of new PV Case (Swadee) moulds.

Reason-PU-MDM PO will be release after budget reflecting in system (Bidding Done for Tool maker finalization)

Budget utilization-2018

Purpose of Investment-New Design

Year of Capitalization-March 2018

Mould Detail-

S.No	Part Name	Part No	Model	Final Tool Maker	Final Mold Cost (INR)
1	Cover Plunger Valve	MCK70265901	Swadee	K.S Precision	947,000
2	Sleeve Plunger Valve	MHR63773201	Swadee	K.S Precision	450,000
3	Connector Plunger Valve	MCD64347101	Swadee	K.S Precision	995,000
4	Nozzle Plunger Valve	MFV63784701	Swadee	Pioneer Tooling	1,763,500

Taxes & Duties-As Applicable

Budget-WMC R&D

Enclosure-Project EP Approval

\${APPROVE_NO}
 \${APPROVE_NO}
 \${APPROVE_NO}

NO	Approval Type	Status	Approved Date	Approved by / Comment
				WU SANG JEON (LGEIL Procurement Tooling / Part Leader)
	Approval	Approved	2017-12-15 22:23	WM Swadee Model new PV Case 개발에 대한 현지 금형제작처 선정 완료, PO발행 승인건입니다.
	Approval	Approved	2017-12-17 12:28	PRAVEEN TANDON (LGEIL Procurement / Team Leader)
				Ok
	Approval	Approved	2017-12-18 10:37	Seo Hyunchul(handy) (LGEIL FSE Procurement / Professional)

Approval Line

Approval Approved 2017-12-15 22:23

WM Swadee Model new PV Case 개발에 대한 현지 금형제작처 선정 완료, PO발행 승인건입니다.

Approval Approved 2017-12-17 12:28 PRAVEEN TANDON (LGEIL Procurement / Team Leader)

Ok

Approval Approved 2017-12-18 10:37 Seo Hyunchul(handy) (LGEIL FSE Procurement / Professional)

Comment : Ok

cc RITESH GUPTA (LGEIL WMC-Procurement Tooling / manager)

EDMS Doc Link

- Approved Approval request for PV case (Swadee) design changed Investment.msg
- Cost estimation_Sleeve Plunger Valve.pdf
- Cost estimation_Nozzle Plunger Valve.pdf
- Cost estimation Cover Plunger Valve.pdf
- Cost estimation_Connector Plunger Valve.pdf

Attached Local Files

- Approved Approval request for PV case (Swadee) design changed Investment.msg
- Cost estimation_Sleeve Plunger Valve.pdf
- Cost estimation_Nozzle Plunger Valve.pdf
- Cost estimation Cover Plunger Valve.pdf
- Cost estimation_Connector Plunger Valve.pdf

From: RAJEEV GUPTA/LGEIL WMC-Procurement Tooling(rajeev.gupta@lge.com)
Sent: Friday, February 23, 2018 10:41 AM
To: Amit Mishra/LGEIL REF-Procurement(amt.mishra@lge.com)
Subject: FW: [Approved] Approval request for PV case (Swadee) design changed Investment
Attachments: Investment approval.pptx; Module NPI Event_Grade Review_Swadee -Pjt PV Asm Structure Improvement(20.11.17).pptx

From: BHANU BANSAL [mailto:bhanu.bansal@lge.com]

Sent: Friday, November 24, 2017 7:26 PM

To: BHANU BANSAL/LGEIL WMC - Development(bhanu.bansal@lge.com); VISHAL GOYAL/LGEIL WMC - Development(vishal.goyal@lge.com); WU SANG JEON/d.g.m./LGEIL Procurement Tooling(wusang.jeon@lge.com); DAVENDER SINGH/LGEIL Planning & Improvement Team(davender.singh@lge.com); ANIL KUMAR/LGEIL Factory Head - Noida(anil1.kumar@lge.com); ASHISH CHAMOLI/LGEIL WMC - Development(ashish.chamoli@lge.com); RAJEEV GUPTA/LGEIL WMC-Procurement Tooling(rajeev.gupta@lge.com); RITESH GUPTA/LGEIL WMC-Procurement Tooling(ritesh.gupta@lge.com)

Subject: [Approved] Approval request for PV case (Swadee) design changed Investment

Internal Mail -> [mailto:bhanu.bansal@lge.com] -> [mailto:rajeev.gupta@lge.com] -> [mailto:ashish.chamoli@lge.com] -> [mailto:davender.singh@lge.com] -> [mailto:wusang.jeon@lge.com] -> [mailto:anil1.kumar@lge.com]

Subject Approval request for PV case (Swadee) design changed Investment

Created Date 2017.11.20 17:16 (Korea Time)

Requested by BHANU BANSAL(LGEIL WMC - Development/manager.)

Dear Sir,

Plz approve the investment approval of below requirement.

Reason of Investment : New PV case assembly for Drain adjustment improvement (Quality improvement)

Total No. of molds development : 4 (Mold Capitalized in Feb'18)

Total Investment cost : INR 4700K (\$72.3K) (Investment Budget)

Investment Approval

Div/Dept	Activity	Category	Amt	Investment Objective
WMC/Dev	New mold development for PV case assembly design changed	Mold	4700K (INR)	Quality / New Model

Purpose/ Detail PV case design changed from Vertical → Horizontal type for Drain leakage improvement (Quality improvement) Capitalized month : Feb'18	Benefit • Write Major Improvement (Return) from this investment - Investment benefits : • Quality improvement • Drain adjustment FFR will improved from 0.84% → 0.59% (30%)
Planned or Unplanned • Planned Activity	Time Schedule Approval PC issue T1/T0 Testing finish V.P
Activity Code Quality/OH-SATL / DFZ18TLXXXXX	ROIC =NA
Expense associated • Investment	Design changed • Mention whether it is Planned Activity or Unplanned Activity.
Old Asset Detail NA	

Investment Approval

Amt K Rs.

Head	Details	
Category	Investment	
Approval No.	WMC/Development/Dev	
Budget Amount	Year Total	83678
	YTD-Month	0
Progress Status (YTD-Utilization prior to this ARR)	Amt	0
	%	0%
Execution Status (Current ARR)	Amt	4700
	%	0%
Balance	Year Total	78978
	YTD	-4700

MODULE NPI EVENT Council

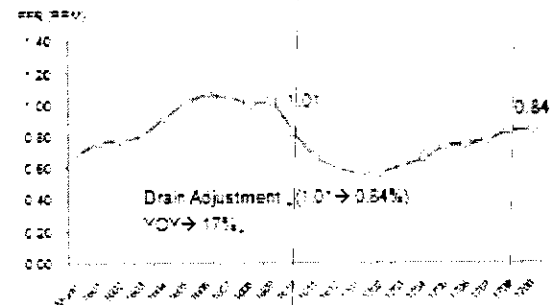
Date	2017.07.15	Main changes					
Writer	Shin, Sang	NO.	Item	Before	After	Module NPI Registration subject	Etc
Review team	Lee, Dong-han						
Product	WAT-10						
PJT name	P. E. B. O. W. 1000-1000-1000 Improvement Date: 2017.07.15						
Standard Model	FEETP350-1000-1000						
Voltage	EEC-50-1						
Capacity	15-10						
Development purpose							
- Swivel, Chassis, PV Ballon, water leakage improvement							
1. Attendees : hyoeng Kim (WM FEE), Gunkook King (QA FEE), V. shi Goys (R&D), E. shi (R&D), Ashish (R&D), O. m Chend (QA) 2. Date : 2017.07.15, Place : R&D VC Meeting Room A117 3. Contents : Event review meeting for grade decision							Grade decision reason Final decision : ED or RD Leader
Part/Team opinion / Meeting results							
Event	CP	PP	DV	PV	Pre-MP	Pre-MKT	Grade
Design results	X	X	O	X	X	X	B(MDV)
DCA opinion	X	X	O	X	X	X	B(MDV)
OE opinion	X	X	O	X	X	X	B(MDV)
Manufacturing Engineering	X	X	O	X	X	X	B(MDV)
Meeting results	X	X	O	X	X	X	B(MDV)
4. Schedule DV-FMS MDV MDV FMS Reg Test/Approve Fei Reg							
17.07.15 18.07.20 19.07.25 19.07.29							
Quality Target		Attained No					
		List		C11	C2	D	Module B
1. Performance		1. Development background Using environment, Reg		O	O		NA
2. PRR 0.34→0.39%(30%)		2. Product Spec		O	O	O	NA
3. DMR NA		3. Investment of Development part (A/New)		O	Δ		NA
4. R&D approval test item		4. Order data test		O	O	O	NA
5. DV 1st product test pass rate 80%		5. DV FMS standard format utilization		O	O		NA
		6. Standard security items		O	O		NA
		7. Safety, Energy, EMC		O	Δ		NA
		8. Standard module design part		O	O		NA
		9. Target / material / cost		O	O		NA
CVT (Only C11)		5. PRR improvement target setting		O	Δ		NA
FPR (Only C2)		6. Process failure rate		O	Δ		NA
(●, X)		10. Organization		O	O		NA
		11. Detail schedule		O	O		NA

NA : not applicable, st: 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th, 101st, 102nd, 103rd, 104th, 105th, 106th, 107th, 108th, 109th, 110th, 111st, 112nd, 113rd, 114th, 115th, 116th, 117th, 118th, 119th, 120th, 121st, 122nd, 123rd, 124th, 125th, 126th, 127th, 128th, 129th, 130th, 131st, 132nd, 133rd, 134th, 135th, 136th, 137th, 138th, 139th, 140th, 141st, 142nd, 143rd, 144th, 145th, 146th, 147th, 148th, 149th, 150th, 151st, 152nd, 153rd, 154th, 155th, 156th, 157th, 158th, 159th, 160th, 161st, 162nd, 163rd, 164th, 165th, 166th, 167th, 168th, 169th, 170th, 171st, 172nd, 173rd, 174th, 175th, 176th, 177th, 178th, 179th, 180th, 181st, 182nd, 183rd, 184th, 185th, 186th, 187th, 188th, 189th, 190th, 191st, 192nd, 193rd, 194th, 195th, 196th, 197th, 198th, 199th, 200th, 201st, 202nd, 203rd, 204th, 205th, 206th, 207th, 208th, 209th, 210th, 211st, 212nd, 213rd, 214th, 215th, 216th, 217th, 218th, 219th, 220th, 221st, 222nd, 223rd, 224th, 225th, 226th, 227th, 228th, 229th, 230th, 231st, 232nd, 233rd, 234th, 235th, 236th, 237th, 238th, 239th, 240th, 241st, 242nd, 243rd, 244th, 245th, 246th, 247th, 248th, 249th, 250th, 251st, 252nd, 253rd, 254th, 255th, 256th, 257th, 258th, 259th, 260th, 261st, 262nd, 263rd, 264th, 265th, 266th, 267th, 268th, 269th, 270th, 271st, 272nd, 273rd, 274th, 275th, 276th, 277th, 278th, 279th, 280th, 281st, 282nd, 283rd, 284th, 285th, 286th, 287th, 288th, 289th, 290th, 291st, 292nd, 293rd, 294th, 295th, 296th, 297th, 298th, 299th, 300th, 301st, 302nd, 303rd, 304th, 305th, 306th, 307th, 308th, 309th, 310th, 311st, 312nd, 313rd, 314th, 315th, 316th, 317th, 318th, 319th, 320th, 321st, 322nd, 323rd, 324th, 325th, 326th, 327th, 328th, 329th, 330th, 331st, 332nd, 333rd, 334th, 335th, 336th, 337th, 338th, 339th, 340th, 341st, 342nd, 343rd, 344th, 345th, 346th, 347th, 348th, 349th, 350th, 351st, 352nd, 353rd, 354th, 355th, 356th, 357th, 358th, 359th, 360th, 361st, 362nd, 363rd, 364th, 365th, 366th, 367th, 368th, 369th, 370th, 371st, 372nd, 373rd, 374th, 375th, 376th, 377th, 378th, 379th, 380th, 381st, 382nd, 383rd, 384th, 385th, 386th, 387th, 388th, 389th, 390th, 391st, 392nd, 393rd, 394th, 395th, 396th, 397th, 398th, 399th, 400th, 401st, 402nd, 403rd, 404th, 405th, 406th, 407th, 408th, 409th, 410th, 411st, 412nd, 413rd, 414th, 415th, 416th, 417th, 418th, 419th, 420th, 421st, 422nd, 423rd, 424th, 425th, 426th, 427th, 428th, 429th, 430th, 431st, 432nd, 433rd, 434th, 435th, 436th, 437th, 438th, 439th, 440th, 441st, 442nd, 443rd, 444th, 445th, 446th, 447th, 448th, 449th, 450th, 451st, 452nd, 453rd, 454th, 455th, 456th, 457th, 458th, 459th, 460th, 461st, 462nd, 463rd, 464th, 465th, 466th, 467th, 468th, 469th, 470th, 471st, 472nd, 473rd, 474th, 475th, 476th, 477th, 478th, 479th, 480th, 481st, 482nd, 483rd, 484th, 485th, 486th, 487th, 488th, 489th, 490th, 491st, 492nd, 493rd, 494th, 495th, 496th, 497th, 498th, 499th, 500th, 501st, 502nd, 503rd, 504th, 505th, 506th, 507th, 508th, 509th, 510th, 511st, 512nd, 513rd, 514th, 515th, 516th, 517th, 518th, 519th, 520th, 521st, 522nd, 523rd, 524th, 525th, 526th, 527th, 528th, 529th, 530th, 531st, 532nd, 533rd, 534th, 535th, 536th, 537th, 538th, 539th, 540th, 541st, 542nd, 543rd, 544th, 545th, 546th, 547th, 548th, 549th, 550th, 551st, 552nd, 553rd, 554th, 555th, 556th, 557th, 558th, 559th, 560th, 561st, 562nd, 563rd, 564th, 565th, 566th, 567th, 568th, 569th, 570th, 571st, 572nd, 573rd, 574th, 575th, 576th, 577th, 578th, 579th, 580th, 581st, 582nd, 583rd, 584th, 585th, 586th, 587th, 588th, 589th, 590th, 591st, 592nd, 593rd, 594th, 595th, 596th, 597th, 598th, 599th, 600th, 601st, 602nd, 603rd, 604th, 605th, 606th, 607th, 608th, 609th, 610th, 611st, 612nd, 613rd, 614th, 615th, 616th, 617th, 618th, 619th, 620th, 621st, 622nd, 623rd, 624th, 625th, 626th, 627th, 628th, 629th, 630th, 631st, 632nd, 633rd, 634th, 635th, 636th, 637th, 638th, 639th, 640th, 641st, 642nd, 643rd, 644th, 645th, 646th, 647th, 648th, 649th, 650th, 651st, 652nd, 653rd, 654th, 655th, 656th, 657th, 658th, 659th, 660th, 661st, 662nd, 663rd, 664th, 665th, 666th, 667th, 668th, 669th, 670th, 671st, 672nd, 673rd, 674th, 675th, 676th, 677th, 678th, 679th, 680th, 681st, 682nd, 683rd, 684th, 685th, 686th, 687th, 688th, 689th, 690th, 691st, 692nd, 693rd, 694th, 695th, 696th, 697th, 698th, 699th, 700th, 701st, 702nd, 703rd, 704th, 705th, 706th, 707th, 708th, 709th, 710th, 711st, 712nd, 713rd, 714th, 715th, 716th, 717th, 718th, 719th, 720th, 721st, 722nd, 723rd, 724th, 725th, 726th, 727th, 728th, 729th, 730th, 731st, 732nd, 733rd, 734th, 735th, 736th, 737th, 738th, 739th, 740th, 741st, 742nd, 743rd, 744th, 745th, 746th, 747th, 748th, 749th, 750th, 751st, 752nd, 753rd, 754th, 755th, 756th, 757th, 758th, 759th, 760th, 761st, 762nd, 763rd, 764th, 765th, 766th, 767th, 768th, 769th, 770th, 771st, 772nd, 773rd, 774th, 775th, 776th, 777th, 778th, 779th, 780th, 781st, 782nd, 783rd, 784th, 785th, 786th, 787th, 788th, 789th, 790th, 791st, 792nd, 793rd, 794th, 795th, 796th, 797th, 798th, 799th, 800th, 801st, 802nd, 803rd, 804th, 805th, 806th, 807th, 808th, 809th, 810th, 811st, 812nd, 813rd, 814th, 815th, 816th, 817th, 818th, 819th, 820th, 821st, 822nd, 823rd, 824th, 825th, 826th, 827th, 828th, 829th, 830th, 831st, 832nd, 833rd, 834th, 835th, 836th, 837th, 838th, 839th, 840th, 841st, 842nd, 843rd, 844th, 845th, 846th, 847th, 848th, 849th, 850th, 851st, 852nd, 853rd, 854th, 855th, 856th, 857th, 858th, 859th, 860th, 861st, 862nd, 863rd, 864th, 865th, 866th, 867th, 868th, 869th, 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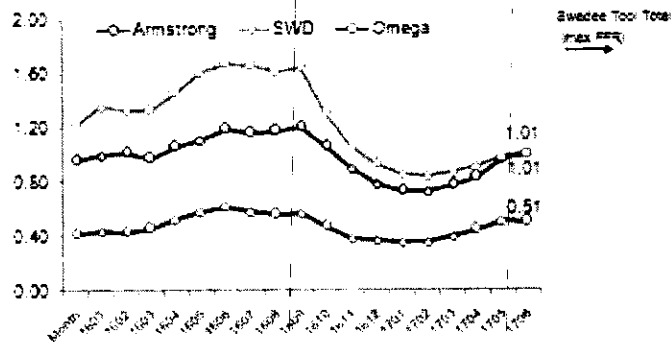
1. Development Summary/ Development Purpose, Concept (Development Direction)

□ Twin Tub FFR improvement

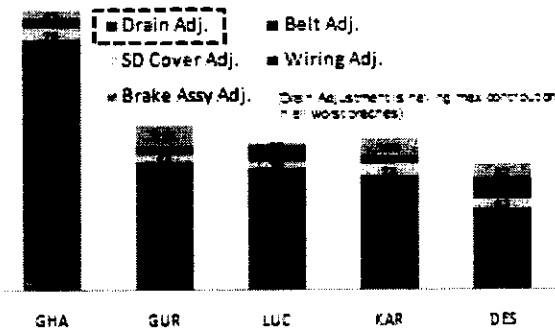
✓Twin Tub ,Drain Adjustment FFR trend.



✓Tool wise ,Drain Adjustment FFR trend.



✓Twin Tub ,Branch wise issue contribution



1. Development Purpose :

- ✓Twin Tub, Drain Adjustment continuously 1.
- ✓Design improvement to be done to reduce FFR.
- ✓Design change from Vertical → Horizontal type design

Worst item	Current	Target	Imp
Drain Adjustment FFR	0.84%	0.55%	30%

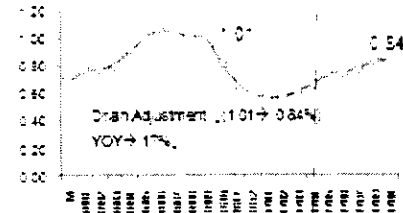
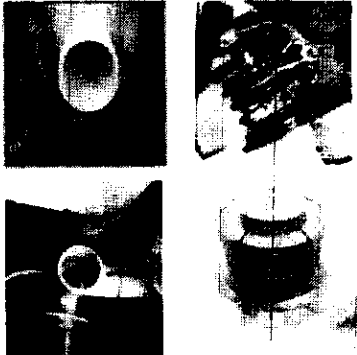
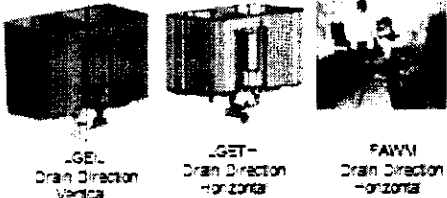
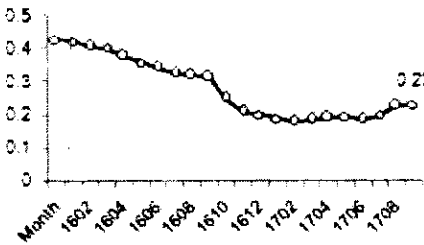
2. Development Direction :

- ✓LGETH Benchmark LGETH Apply:16.06
- ✓Apply first in Swadee Chassis. Apply → Mar '18
- ✓Horizontal deployment after 3M FFR monitoring.



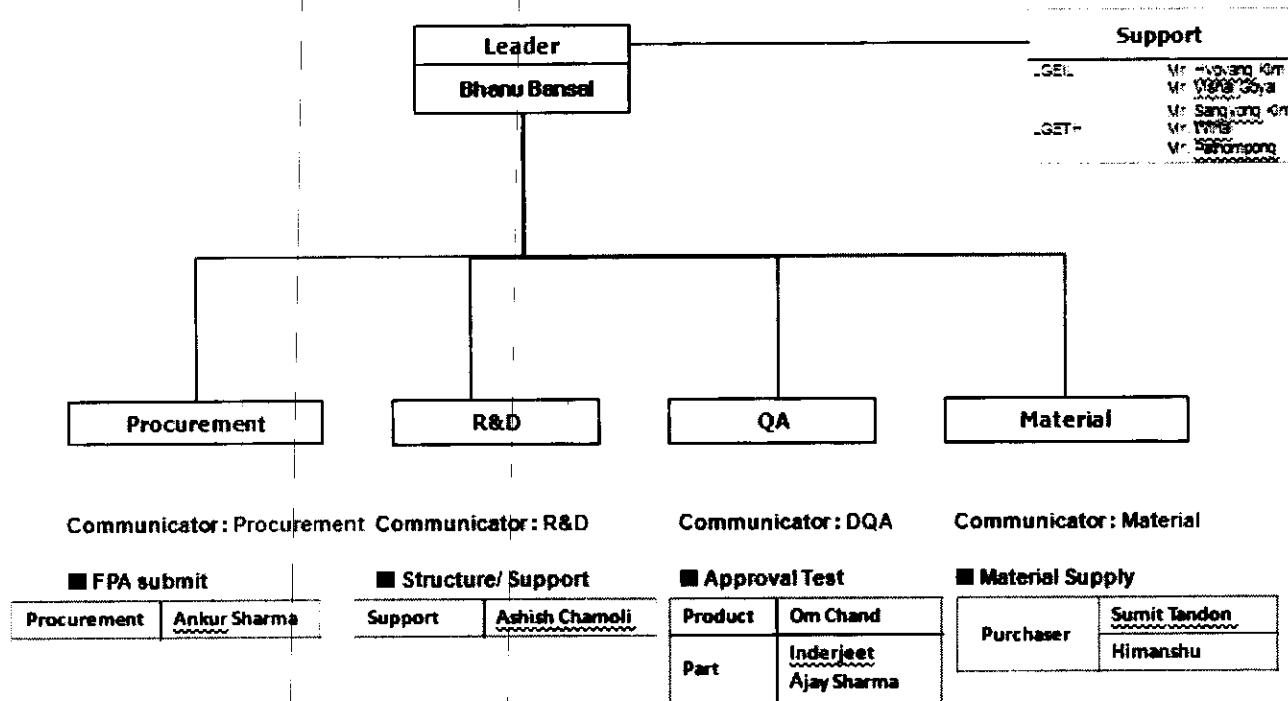
2. Background PV Asm New Design / Swadee-Pjt.

2017-11-21
Bhanu Sankar, WMHDev

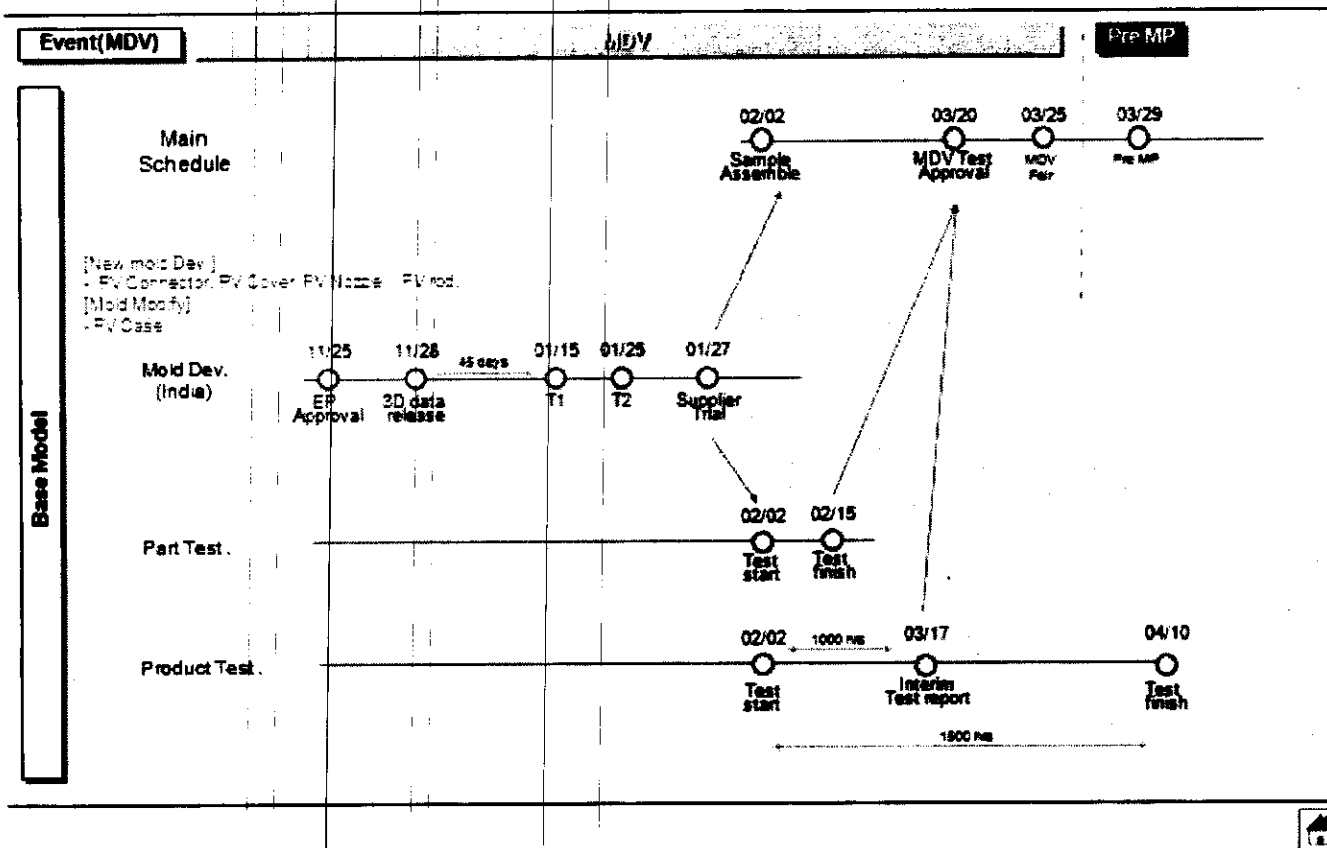
Background	Breakthrough	Action Activity
❑ Problem : PV Bellow water leakage  Drain Adjustment : 1.01 → 0.84% YOY → 17% ❑ SVC'nding found PV case water leak 	❑ LGETH subsidiary A-Project/FAWM design benchmark  LGETH Drain Direction Vertical LGETH Drain Direction Horizontal FAWM Drain Direction Horizontal ❑ Conclusion : Horizontal type in FAWM result in continuously improving & less Drain Adjustment  	❑ PV case re-structure Part development by register M-NPI 1) Event Evaluation Meeting 07/15 2) MDV register 11/25 3) Drawing 3D for mold new mold 11/28 4) Start mold making 11/28 5) Mold trial 01/15 6) Supplier Trial 01/27 7) Interim Product test Finish 03/17 8) MDV Fair 03/25 9) Pre MP 03/25



3. Development Organization Chart



4. Master Plan / Swadee-Pit PV Bellow water leakage improvement



Investment / Expense cost

LGETH P/No.	Part name	Pic	Mold	Cavity	Investment cost (K INR)	Expense cost (K INR)
MGE64411401	Pipe		New	2	2000	-
MCD63767601	Connector, Plunger Valve		New	1	1100	-
MCK69171301	Cover, Plunger Valve		New	4	1000	-
MHR63213501	Sieve, Plunger Valve		New	4	600	-
MBN64622101	Case		Modify	1	-	800
				Total	4700K (INR) 72.3K(\$)	800K (INR) 12.3K(\$)

Thanks & Regards
Bhanu Bansal
(9953555169)

Approval Line

No	Approval Type	Status	Approved Date	Approved by / Comment
1	명령	승인완료	2017.11.21 08:34	VISHAL GOYAL(LGEIL WMC - Development/Part Leader) Comment : OK, We expect good FFR improvement with new design of PV case. '18 Investment budget will be utilized. Mold Ordering will be done in this year only.
	명령	승인완료	2017.11.21 13:34	WU SANG JEON(LGEIL Procurement Tooling/Part Leader) Comment : New PV case of Development thru localization.
2	결재	승인완료	2017.11.21 14:50	GAURAV KOCHHAR(LGEIL Development/Team Leader) Comment : OK
3	결재	승인완료	2017.11.22 11:55	김효량(LGEIL FSE WMC Development/책임연구원) Comment : ok.(It is need to develop to improve FFR urgently.)
4	결재	승인완료	2017.11.22 14:33	DAVENDER SINGH(LGEIL Planning & Improvement Team/Team Leader) Comment : agree - next year budget will be utilized .
5	결재	승인완료	2017.11.22 16:37	ANIL KUMAR(LGEIL Factory Head - Noida/Department Leader) Comment : OK. Agree.
6	결재	승인완료	2017.11.22 19:30	이효재(LGEIL FSE Planning/책임) Comment : Agree
7	결재	승인완료	2017.11.23 11:32	DEEPAK BANSAL(LGEIL Planning/Department Leader) Comment : Within budget
8	결재	승인완료	2017.11.24 17:26	김태완(LGEIL Noida Manufacturing/President)

ASHISH CHAMOLI(LGEIL WMC - Development/dy.manager)
CC RAJEEV GUPTA(LGEIL WMC-Procurement Tooling/asst.manager)
RITESH GUPTA(LGEIL WMC-Procurement Tooling/manager)

Attached Files @Investment approval.pptx
@Module NPI Event_Grade Review_Swadee -Pjt PV Asm Structure Improvement(20.11.17).pptx

EDMS Attributes	Retention	3 Year	Security Grade	Browse;Download
	Access	*LG Electronics;*LGEIL WMC - Development	Permission	Browse;Download

TAX INVOICE

K.S.Precision Components Pvt. Ltd.

E-208, Sector 17, Kavi Nagar, Industrial Area, Ghaziabad (UP)
 B/O-A2/40-41 And D-2 Sec-17, Kavinagar Indl. Area, Ghaziabad (U.P)
 CIN : U28999DL1999PTC099263 ; PAN : AABCK3852G
 Tel. : 0120-4160390 email : purchase@ksprecision.com

As Per Sec. 31(1) of CGST Act 2017 & Rule 1 of Inv.

Invoice No. : 17-18/GST/0301
 Date of Invoice : 21.02.2018
 Place of Supply : Uttar Pradesh (09)
 Reverse Charge : N
 GR/RR No. :
 Transport : By Road

Vehicle No. : UP 14 G 71831
 Station : Greater Noida
 P.O.No. : 232838-18V-00003
 P.O.Date : 12.02.2018
 Challan No. :
 Challan Date :

Billed to :

M/s LG Electronic (India) Pvt Limited
 PLOT NO. 51, UDYOG VIHAR, PHASE-2,
 SURAJPUR KASNA ROAD, GREATER NOIDA
 UTTAR PRADESH

Shipped to :

M/s LG Electronic (India) Pvt Limited
 PLOT NO. 51, UDYOG VIHAR, PHASE-2,
 SURAJPUR KASNA ROAD, GREATER NOIDA
 UTTAR PRADESH

Party PAN : AAACL1745Q
 State : Uttar Pradesh (09)
 GSTIN / UIN : 09AAACL1745Q1Z2

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 State : Uttar Pradesh (09)
 GSTIN / UIN : 09AAACL1745Q1Z2

S.N.	Description of Goods	HSN/SAC Code	Qty.	Unit	Price	Discount	Basic Amount	CGST Rate	CGST Amount	SGST Rate	SGST Amount	Amount(Rs.)
1.	Mould Mould of Cover, Plunger Valve Swadee 7.5 Kg MAUVE Transparent P/No : MCK70265901 With Spairs	8480	1.00	Nos	947000.00	0.00 %	947000.00	9.00 %	85,230.00	9.00 %	85,230.00	11,17,460.00
2.	Mould Mould of Sleeve, Plunger Valve Swadee 7.5 Kg MAUVE Transparent P/No: MHR63773201 With Spairs	8480	1.00	Nos	450000.00	0.00 %	450000.00	9.00 %	40,500.00	9.00 %	40,500.00	5,31,000.00
3.	Mould Mould of Connector, Plunger Valve Swadee 7.5 Kg MAUVE Transparent P/No: MCD64347101 With Spares	8480	1.00	Nos	995000.00	0.00 %	995000.00	9.00 %	89,550.00	9.00 %	89,550.00	11,74,100.00
Grand Total			3.00	Nos								28,22,560.00

Sale @18% = 23,92,000.00 CGST = 2,15,280.00 SGST = 2,15,280.00 Total Sale = 23,92,000.00 CGST = 215280.00 SGST = 215280.00

Rupees Twenty Eight Lakh Twenty Two Thousand Five Hundred Sixty Only

Terms & Conditions

E.& O.E.

1. Material rejection will not be accepted after 10 days.
2. Interest @ 24% p.a. will be charged if the bill is not Paid on presentation.
3. Subject to 'GHAZIABAD' Jurisdiction only.

Receiver's Signature :

For K.S. PRECISION COMPONENTS PVT. LTD.
 For K.S.Precision Components Pvt. Ltd.

Authorized Signatory

KSPC PVT. LTD.

Gate Out Entry No. 1997
 Date 21.2.18 Time 12.40.
 Signature: Akhilesh

90181

SECURITY G-2
03 mld
Veh. No. LPL4GT 1831
Entry No. 571
Date 21.2.18 Time 14:27

LG ELECTRONICS (I) PVT. LTD. & NOIDA
IN
Vehicle Entry No. 0301
Invoice No. 2985
Gate Entry No. 1445
Form-36 No. 01/02/18
Date 21/02/18
Sign of S.O.

TAX INVOICE

K.S.Precision Components Pvt. Ltd.

E-208, Sector 17, Kavi Nagar, Industrial Area, Ghaziabad (UP)
 B/O-A2/40-41 And D-2 Sec-17, Kavinagar Indl. Area, Ghaziabad (U.P)
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3.	Mould Mould of Connector, Plunger Valve Swadee 7.5 Kg MAUVE Transparent P/No: MCD64347101 With Spares	8480	1.00	Nos	995000.00	0.00 %	995000.00	9.00 %	89,550.00	9.00 %	89,550.00	11,74,100.00
Grand Total												28,22,560.00

Sale @18% = 23,92,000.00 CGST = 2,15,280.00 SGST = 2,15,280.00 Total Sale = 23,92,000.00 CGST = 215280.00 SGST = 215280.00

Rupees Twenty Eight Lakh Twenty Two Thousand Five Hundred Sixty Only

Terms & Conditions**E.& O.E.**

1. Material rejection will not be accepted after 10 days.
2. Interest @ 24% p.a. will be charged if the bill is not Paid on presentation.
3. Subject to 'GHAZIABAD' Jurisdiction only.

Receiver's Signature :

For K.S. PRECISION COMPONENTS PVT. LTD.
 For K.S.Precision Components Pvt. Ltd.

Authorized Signatory