

Helmut F Giesa, Individual Independent Consultant

Project / Procurement Management + Communication Management + Contract Management

[Claim, Variation, Change Management, Scheduling, Cost Planning / Earned Value Analysis EVA, Disruption and Delay Analysis in Time, Resources, and Costs, Dispute Avoidance and Dispute and Adjudication]

A _ DONORS / IFI and PFI / Private Financing Initiatives

B _ FIDIC Deliveries

Red / Pink MDB (Construction), Yellow (Plant, Design+Build), Silver (EPC / TK Turnkey), Gold (Design + Build + Operate) FIDIC and

C _ Experiences in horizontal / linear infrastructures, marked yellow + amber; Water = Blue, Yellow and Silver Book Experiences marked GREY .

D _ Abbreviations

MCC	Millennium Challenge Corporation	JICA	Donor Japan International Cooperation Agency
ADB	Asian Development Bank	EU	European Union (EDF / Disbursement Guidelines)
AfDB	African Development Bank	BADEA	Arab Bank for Economic Development in Africa
WB	World Bank	GOSL	Government of Sierra Leone
BMV / BMZ	German Ministry of Transport / Development	MVV	Municipality of Transportation in Germany
GoRSA	Government of Republic of South-Africa	GoKSA	Government of Kingdom of Saudi-Arabia

F _ Note : The **Yellow (YFB)** and **Silver Fidic Book (SFB)** are almost congruent. Please refer to the Note at the bottom of this table.

Date from - Date to	Location	Company	Position	Sector	DONOR	FIDIC	Description >>> Filename: HFG Experiences with Donors and rainbow FIDIC List Contract Management.docx
06/2023 - 08/2023	Iraq	SweRoad	Procurement + Contract Expert	Highway	WB	WB (SPD)	Technical Assistance in raising awareness on routine maintenance and preparation of Performance Based Maintenance Bid Documents for Expressway R7, R8, R9: (i) Operational Guidelines, (ii) Procurement strategy and models for bidding and contract documents for rehabilitation and routine / emergency maintenance referring to World Bank Standard Procurement Documents, (iii) Draft Tender Documents for R7, R8, and R9 Performance Based Rehabilitation and Maintenance Works inclusive TOR for supervision of Service contracts for the Client MoCH /RBD
12/2022 – 05/2023	Liberia	MC French Consultant S/C GuB inquire: Katharina@GuB21.de	Contract Management TL	Roads	WB	Yellow Book (WB SPD)	Technical Assistance for Infrastructure Implementation Unit @ Ministry of Public Works in Monrovia/Liberia. A _ Contractual issues addressed and explained: content of Progress Reports (FIDIC SC04.21), proper application of Price Fluctuation (SC13.8), PCC considerations, e.g. sole member of DAAB (SC20.2/20.3 Rad / Pink Book) B _ Workshops facilitated B1. Log frame approach (analysis) and LF matrix (planning) with the result-based schedules (time, resources, costs) B2. Obligations of the Parties (EMP, ENG / MC, CON) B3. PM Philosophy and Software application of MS-Project tool with practical exercises to WBS, sequences, dependencies, monitoring & evaluation. C _ Food for thoughts given about Organizational Design and Implementation to transform the IIU-entity to a semi/autonomous Road Agency under the

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							supervision of the MPW. Note: Refer to Helmut F Giesa's other experiences and competences to build up capacity and to enhance capabilities for engineers and MBAs. www.aid21.de/42FIDIC+EDF.pdf
06/2019 - 11/2022	Georgia / Caucasus	A _ Kocks Consult Georgia/DE GuB GmbH Germany B_ UBM	Contract Mgmt Claim / Variations Disruption and Delay Analysis	Roads / Bridges / Tunnels	A _ EIB B _ ADB	PINK / Red	A _ East-West-Highway (Samtredia-Grigoletti) 12 km dual carriage way with 3 bridges and several underpasses with soft soil improvement at Black Sea area 6 months Design Review, 24 months supervision + 24 months DNP). Terminated contract, Works re-tendered. B _ East-West Highway (Khevi-Ubisa Section) Improvement Project , 11 Tunnels, 18 Bridges and highways sections: Construction Supervision E60 – F2; Tasks: identify responsibilities of the parties, ensure insurance policies, assist in contract administration in general, contract / claim/variation management with advise Employer in adjudication & arbitration procedures (36 months supervision + 24 months DNP+EoT)
06/2019 - 10/2019	Georgia / Caucasus	MDF / GuB	Contract Mgmt / Claims / Variations	Transport	MDF / ADB	PINK / Red	8 km Tbilisi - Road Section: Review of Engineer's Determination, Evaluate Omissions of works, and defend the MDF position at Dispute Board (DB)
05/2019	Sierra Leone	Roughton + ICS	Lecturing	Transport	GoSL / WB	OPRC/GOLD	Lecturing OPRC / DBOMT (output- and performance based Roads/Bridge Contracts / Design+Build+Operate/Maintain > Transfer, FIDIC Yellow Book
01/2019 - 04/2019	Bangladesh	ECCL	Contract Mgmt / Claim / Variations	Water	GoBD	PINK / Red	Multipurpose Padma Bridge (Highway + Railway) and Approach Viaducts, 7,7 kilometre length and dredging works, Work: 2,8 Billion USD Service (IFI's / Donors moved out during procurement)
05/2018 - 12/2020	Liberia	Cardno / GuB GmbH	Member Tec Evaluation Panel Contract	Water	MCC MCA-L	Silver / EBC-TK	Member of the Tech and Fin Evaluation Panel (TEP) to procure CONSULTANCY Services and Works Contracts: Millennium Challenge Corporation (256 Mill MCC/US-AID financed), several short missions up to 12/2020, mostly Design + Build (YB), mostly in the water sector / linear !
04/2018	Gambia	GuB GmbH	Consultant	Water	Private Investor	-	Business Development: technical, financial, administrative Capacity upgrading of structural and process organisation (UK, Gambia and others)
11/2017-on-going	Sierra Leone	GuB GmbH	Advisor / Contract + Finance	Transport	PFI	Silver / EBC-TK	Business Development / Private Financing Initiative (PFI), Advising local enterprises: Construction and supervision of a turnkey, commercial building and trading with proper water supply – on-off going - .
08/2017 10/2017	India	Padeco, India	Cost Estimator Procurement / EVAL	WATER Bridge	JICA	YELLOW P D B	Mumbai Trans Habar Link including 22 km long Bridges (Road Transport) over the Arab Sea; Investment ~2,8 Billion USD, 1 mission, Design + Build

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04/2017 07/2017	Pakistan	BMP/MMP/ GuB	Procurement / EVAL	Bridge	ADB	YELLOW P D B	26 km long Bus Rapid Transport System Peshawar (partial elevated bus lanes) 400 Mill USD
03/2017	Sierra Leone	GuB / HIFAB	Acquisition	Transport Water	WB	OPRC / GOLD D+B+O	Road Asset Management; Water Supply Network 500 km Feeder Roads , OPRC (DBOM)-Tec + Fin Bid
01/2017	Palestine	GuB	Mediator (Contract)	Water	Confidential	Silver / EPC-TK	Alternative Dispute Resolution (Water quarrel issues)
05/2016 12/2016	Sierra Leone	First Tricon	General M. / Contract / Claim	Roads / Bridges	GoSL	YELLOW P D B	Construction of GOSL - financed Design + Build : 185 km Roads and Townships in the Eastern Provinces, Portfolio 200 Millions USD, 3 missions
12/2015 - 04/ 2016	South-Sudan	Sheladia, USA	Procurement and Contract Management	Transport	WB	OPRC / GOLD D+B+O	Procurement / Contract Management Ministry for Transport, 80 km Roads & Bridges; Tasks: (i) Upgrade of Tender Documents for output and performance based road contracts OPRC esp. Maintenance Services (DBOM), Emergency Works and Service Level / Performance Criteria (ii) Price Break Down / Unit Rate Analysis (iii) Training, Workshop (April 2016)
02/2016- 03/2016	Uganda	TIEG / Individual Consultant Helmut F Giesa	Technical Advisor Contractual Issues	Transport	EU	YELLOW P D B	EU-financed TA in Design, Business Development and Environmental Policy and Management to the UNRA [Uganda National Roads Authority] Tasks : Review of the new organisaitonal structure and processes with the recruitment of human resources and their capabilities. Needs assessment, Proposals to overcome the bottlenecks and quick win solutions like management program presented in a precedence network, monthly tracker / monitoring system and Quick-win action plan
08/2015 - 12/2016	Georgia / Caucasus	Padeco, Japan	Contract Mgmt Claim + Variation	Roads / Bridges	JICA	RED	Contract / Claim Management for Ministry of Regional Development and Infrastructure for Georgia / Road Department. Financed by JICA (150 Mio. EUR). RED FIDIC Contract Basis: Engineer's Determination of time- and value-related (15 Mio. EUR), and all other Claims (+5 Mio. EUR) for concrete highway with 3 sections @ ~22 km = 66 km length
04/2015- 09/2016	Kenya	Safege / WYG Turkey	Contract Mgmt / Claim + Variations	Roads / Bridges	EU	RED (EDF)	EU-TA for Evaluation of contractual Claims : Rehabilitation of a 120 km Highway (asphalt with concrete BC) and Training for EDF + FiDiC/MDB pink book and Prag_2014
Nov 2013	China	Peking / Tianjin	Auditor / Assessor	Aviation	EU	Audit	ROM – Mission, Aviation – Result oriented Monitoring Mission, 1 Mission
2010- 2012	Ethiopia	Vergnet / GuB	Administrator / Contract Mgmt	Energy	KFW	Silver EPC - TK	Construction Ashegoda Wind farm (Mekele) for EEPCo < Investment: 0,45 EUR/KWh at a 55 m hub height.
2013 - 2018	Sierra Leone, DE Liberia Myanmar	Infrastructu re Consultant GuB	PM, Advisor / Evaluator / Adjustor; Contract Mgmt	Water Engery	WB	OPRC / GOLD	Project Development of a socio-economic project with a “commercial production plant” Assessment of fair market values, International Acquisitions / Contract Management DBO, Consulting ... all project cycles : development, studies, design, procurement, supervision.

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2009-2013	Sierra Leone	Consultant RRI & GIZ, LB	Technical Assistant / Advisor, Procurement, EVAL	Transport Water	EU, AfDB, WB BADEA	RED, OPRC / GOLD	Technical Assistance, Institutional Capacity Development, Pre-/Feasibility Studies for Road + Bridges, Buildings, Supervision, Administration within the Roads Authority. 3 Major Roads Construction with 159+85+52 km = 296 km
2009	Libyen	General Cont. Siemens	Superintendent / Contract Mgmt	Energy	WB	Silver EPC-TK	Converter Station / EPC – Turnkey (Silver B)– Implementation Civil Works, Access Roads
2008	Indien	Siemens / GuB	Superintendent / Liaison Officer / Contract Mgmt.	Energy	WB	Silver EPC-TK	Converter station HVDC2500, 500 KV / EPC-Turnkey - Implementation (Silver FiDiC Book) Civil Works (Concrete + steel structures, Concrete Roads), Access Roads
2007	DE	Alstom / GuB	Supervisor and Contract Mgmt	Energy	PRIVAT	Silver EPC-TK (VOB)	GuD Powerplant – Implementation Civil Works, Access Roads
2006-2007	Irak	ABB / GuB	Superintendent Contract Mgmt	Energy	PRIVAT	Silver EPC-TK	GuD Powerplant+Converter station, D+B (YB)–Implementation Civil Works (Concrete Roads)
2006	Liberia	Consultant Hydroplan	Team Leader, Technical Advisor	Water	EU / WB	RED	NAO, Water Purification Plant, Booster / Pumping Station, Mains-Netzwerk, Design + Build (linear infrastructure)
2005	DE / AFG	Consultant GuB	Project Manager	Buildings Roads	PRIVAT	RED	Infrastructure Building + Roads
2004	Afghanistan AFG	Consultant IB Gauff	Resident Engineer / Contract Mgmt	Roads Bridges	BMZ / KfW	YELLOW P D B	Design + Build : Roads (12 km town) + Bridges
2003	DE	Consultant Socotec	Consulting Engineer	Railway	DB	HOAI / VOB	Railway Projects (250 km total), Akquisition – HOAI, VOB (German Regulation)
2002	DE	Authority DB Netz Berlin	Purchase Contract / Claim for Services + Works	Railway	DB	HOAI / VOB	Railway Network, service and works contracts, Contract/Claim Management
2001	Romania	Consultant Seib	Consulting Eng.	Railway	EU	RED	Studies / Design Road Construction (35 km)
1999-2000	DE	Authority DB Netz Munich	Purchase / Contract / Claim	Railway	DB	HOAI / VOB	Railway Network / Purchase of Service and Works Contracts, Claim Management
1995-1998	DE	Project Mgmt. Drees&Sommer	Projektmanager	Buildings	MVV	HOAI / VOB	a) Tram (Rail + Roads) and Omnibus Depot Mannheim (50 Mill Euro) and b) Turnkey sky scrapers in Berlin (50 Mill. Euro each, total 300 Mill Euro)
1994	DE	GC Hochtief-Wayss&Freitag	Coordinator, Time + Cost Scheduler	Water	BVV	HOAI / VOB	Water Treatment plant, Operational Buildings Waßmansdorf / Berlin with access roads (concrete asphalt and concrete surface)
1993	DE	Roads Authority	Project Manager / Contract Manager	Transport	BMV	VOB	Administration of Roads and Bridges in Central Franconia, 1.200 kilometer

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1992	DE	Constructio n Fiegl	Superintendent (PM)	Water	BMV	VOB	Asphalt roads (3 Projects ~ 15 km) sewage system, water treatment plant
1991	Nepal	Consultant IB Li, Lahmeyer	Design + Cost Engineer	Water Access Rd	WB	RED	Review of Studies Access Road (80 km, Arun II + III), Construction and Hydro Electric Power Plant in Himalaya
1990	DE	Consultant IB Li, Lahmeyer	Design Engineer, Supervisor	Water	BMV	Similar EPC	Drainage Systems, Railway freight terminal, High Speed Railway with Tunnels (150km)
1989	DE	Contractor Michel	Superintendent	Sanitary	Municipal ity	HOAI / VOB	Solid Waste Disposal site with infrastructure with asphaltic access roads
1987 1988	Jemen / Malawi	Consultant GiTec	Design + Supervision	Transport	BMZ / KfW	RED	Design + Supervision (256 km rehabilitation Sa'ana - Taizz) Railways, Roads and Harbour
1984 1986	Südafrika	Constructor LTA	Cost - / Planning Engineer	Water Transport	GoRSA	Similar RED	Road / Highway construction (55km dual carriage highway) / Water supply net work for three Villages.
1981 1983	Saudi- Arabien / DE	Contractor Held & Francke	Surveying Eng., Calculator / Cost Estimator	Transport	GOKSA	Similar RED	Road-/ Highway + Bridge Construction > 165 km Highway (Taif -> Riyadh) Calculation of Industrial Cement Plants and Highways / Bridges.

NOTE:

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The Approach of Tendering / Procurement of Contract and Employer's involvement for the execution of the Works is slightly different for the YFB + SFB. The Silver Book (EPC-TK) provide a more degree of **certainty of final price and completion date**; the Contractor is fully responsible for the design (SFB SC 1.9, SFB SC 5.1 ff), delivery and execution.

The involvement of the Employer is less as in a **P+D+B Project**. The Contractor of **EPC-TK Projects has to provide a fully equipped facility, ready for operation in compliance with the Employer's requirements / conceptual design.**

It is difficult to assess the impediments caused by Yellow FB or Silver FB - Contract Administration. It depends from the proper preparation of the "Contract" (i.e. **Requirements**, conceptual design, **functional descriptions for fit of the purpose**, design, a.s.o.) and **unforeseeable circumstances** (i.e. soil risks / soil exploration + surveys) / defined **exceptional risks** (Clause 19) in the Particular Conditions of Contract.

All type of knowledge, i.e. Contract Law, Tort Law, **law of preservation of evidences, Procurement and Bid Evaluation Guidelines** for different Donors and esp. for **Public Private Partnership**: PPIAF / APMG - PPP Guides for Procurement Procedures 2016, Chapter 1 – Chapter 8 has to be applied for the Procurement procedures and Tendering of Public Private Partnership projects.