

BEFORE THE INTERNATIONAL CENTRE FOR SETTLEMENT OF
INVESTMENT DISPUTES

ICSID Case No. ARB/19/6

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 In the Matter of Arbitration Between: :
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 ANGEL SAMUEL SEDA AND OTHERS, :
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 Claimants, :
 :
 and :
 :
 REPUBLIC OF COLOMBIA, :
 :
 Respondent. :
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Volume 6

VIDEOCONFERENCE: HEARING ON JURISDICTION AND MERITS

Saturday, May 7, 2022

The World Bank Group
1225 Connecticut Avenue, N.W.
Conference Room C 3-100
Washington, D.C.

The Hearing in the above-entitled matter
came on at 9:00 a.m. before:

PROF. DR. KLAUS SACHS
President of the Tribunal

PROF. HUGO PEREZCANO DÍAZ
Co-Arbitrator

DR. CHARLES PONCET,
Co-Arbitrator

ALSO PRESENT:

MS. SARA MARZAL YETANO
Secretary to the Tribunal

Realtime Stenographers:

MR. DAVID A. KASDAN
Registered Merit Reporter (RMR)
Certified Realtime Reporter (CRR)
B&B Reporting/Worldwide Reporting, LLP
529 14th Street, S.E.
Washington, D.C. 20003
United States of America

MR. LEANDRO IEZZI
MR. RODOLFO VALERIO RINALDI
D.R. Esteno
Colombres 566
Buenos Aires 1218ABE
Argentina

Interpreters:

MR. CHARLES H. ROBERTS

MS. SILVIA COLLA

MR. DANIEL GIGLIO

APPEARANCES:

On behalf of the Claimants:

MR. RAHIM MOLOO
MS. ANNE CHAMPION
MS. MARRYUM KAHLOON
MR. BEN HARRIS
MS. NIKA MADYOON
Gibson, Dunn & Crutcher, LLP
200 Park Avenue
New York, New York 10166-0193
United States of America

MR. PEDRO G. SOTO
MS. ANKITA RITWIK
Gibson, Dunn & Crutcher, LLP
1050 Connecticut Ave N.W.
Washington, D.C. 20036
United States of America

MR. ALEJANDRO MEJÍA
MR. JUAN PABLO PANTOJA RUIZ
Cáez Muñoz Mejía Abogados
Cra. 17 ##89-31
Bogotá, Colombia

Party Representatives:

MR. ANGEL SEDA
MR. JUSTIN ENBODY
MR. STEPHEN BOBECK
MR. JUSTIN CARUSO
MR. MONTE ADCOCK
MR. PIERRE AMARILGLIO

APPEARANCES: (Continued)

Attending on behalf of the Respondent:

MR. CAMILO GÓMEZ ALZATE
MS. ANA MARÍA ORDÓÑEZ PUENTES
MR. GIOVANNY VEGA-BARBOSA
MR. CÉSAR RODRÍGUEZ
MS. ELIZABETH PRADO LÓPEZ
MS. YADIRA CASTILLO MENESES
MR. ANDRES FELIPE REINA ARANGO
MS. MARCELA MARÍA SILVA ZAMBRANO
Agencia Nacional de Defensa
Jurídica del Estado
Carrera 7 No. 75-66 - 2do y 3er piso
Bogotá
Colombia

MS. LAURA MARÍA MARÍN MORENO
Fiscalía General de la Nación

MR. CARLOS SABOYÁ
Director de Asuntos Jurídicos, Fiscalía
General de la Nación

MS. SANDRA MARTÍNEZ
Asesora de la Dirección de Asuntos
Jurídicos, Fiscalía General de la Nación

MS. SANDRA MONTEZUMA
Asesora en el Despacho del Vicefiscal,
Fiscalía General de la Nación

MS. TATIANA GARCÍA
Directora de Asuntos Internacionales,
Fiscalía General de la Nación

MS. LILIA ROSA MENDOZA
Asesora de la Directora de Asuntos
Internacionales, Fiscalía General de la
Nación

APPEARANCES: (Continued)

MR. ANDRES FELIPE TINOCO
Asesor en el Despacho del Vicefiscal,
Fiscalía General de la Nación

DR. YAS BANIFATEMI
MS. YAEL RIBCO BORMAN
MS. PILAR ALVAREZ
MS. CAROLINA BARROS
MR. YOUSSEF DAOUD
Gaillard Banifatemi Shelbaya Disputes
22 rue de Londres, 75009 Paris
France

MS. XIMENA HERRERA BERNAL
Gaillard Banifatemi Shelbaya Disputes
165 Fleet Street
London EC4A 2AE
United Kingdom

C O N T E N T S

	PAGE
WITNESSES:	
RICHARD HERN	
Direct presentation.....	1622
Cross-examination by Mr. Moloo.....	1654
Redirect examination by Mr. Daoud.....	1736

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
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P R O C E E D I N G S

RICHARD HERN, RESPONDENT'S WITNESS, CALLED

PRESIDENT SACHS: Good morning, Dr. Hern.

Good morning. Would you kindly read for the record the Declaration that is before you.

THE WITNESS: I solemnly declare upon my honor and conscience that my statements will be in accordance with my sincere belief.

PRESIDENT SACHS: Thank you very much. We will now invite you to deliver your presentation.

MS. BANIFATEMI: Mr. President, may I--I get the impression that the screen is blocking the view for Mr. Hern. You do see him? I just wanted to mention. Thank you.

PRESIDENT SACHS: Not in full, but--

MS. BANIFATEMI: Not in full? Well, then maybe we could push it away.

(Pause.)

DIRECT PRESENTATION

THE WITNESS: Good morning, everybody. Thank you for inviting me to be present today.

I have a set of slides that in essence

1 summarize the two reports that I've submitted to the
2 Tribunal on this case and, to the extent possible, I
3 will also use this presentation to comment on some
4 issues that came up yesterday in the context of BRG's
5 presentation, but also the JLL and CBRE presentation
6 on the previous day.

7 I start with just a summary of background
8 and experience. I'm a Managing Director at NERA
9 Economic Consulting. My focus is on valuation in the
10 context of large infrastructure assets. I've
11 testified on more than 20 international arbitration
12 cases, also authored a number of articles on valuation
13 techniques.

14 Apologies.

15 (Pause.)

16 THE WITNESS: Sorry, I just lost the slide
17 numbers, but I hope that's helpful by way of
18 background.

19 In terms of my first slide, I thought it was
20 useful just to summarize my conclusions on this
21 matter. I was asked to estimate damages in the
22 context of this case. My calculations were based,

1 like BRG, premised on the Fair Market Value concept.
2 Damages are never straightforward in these types of
3 cases, but in a sense I reached the conclusion that it
4 was fairly straightforward in this case that if there
5 were to be any damages, that the right approach to
6 quantify those damages was what I called the "Cost
7 Approach" or the "Asset-Based Approach." And, in
8 essence, that approach is based on an analysis of how
9 much expenditure had been undertaken on the projects
10 at the time of the valuation. And to the extent
11 possible, that approach also takes account of what
12 that expenditure is worth at the time of the Valuation
13 Date. So it's an analysis of historic expenditure, we
14 valued essentially to the Valuation Date.

15 Now, I don't reach that conclusion lightly,
16 that that's the right approach. I considered other
17 possible approaches to quantify damages, and we heard
18 yesterday about the discounted-cash-flow methods.
19 There's also another method that is used in these
20 types of cases called the "Market-Based Approach."
21 But for reasons that I explain in my report and I will
22 elaborate on today, I don't think that they're the

1 right approaches for this case. I think they're too
2 speculative. I don't think we have the right data to
3 be able to quantify damages using those approaches.

4 And I revert back to using an Asset-Based
5 Approach, which I think has a lot of precedent in the
6 context of these types of cases in the international
7 arbitration space, too.

8 So, in summary, my estimate, if there are to
9 be damages in this case, of course, I don't opine on
10 liability, but if damages were to be awarded, then in
11 the context of the Meritage Project, my estimates of
12 those damages is in the region of USD 1 million plus
13 pre-award interest of 67,000.

14 Now, I was also asked--for completeness, I
15 understand it's the Respondent's case that it's only
16 the Meritage that has been affected by the Measures,
17 but I was asked for the purpose of completeness to
18 also assess damages should it be found that other
19 projects were affected by the Measures.

20 So, in the context of the other projects
21 that had been put forward by the Claimants as
22 potentially affected by the Measures--the Luxé

1 development, the Tierra Bomba development, 450
2 Heights, Santa Fé--I've also examined damages using
3 the same Asset-Based Approach or Cost Approach. And
4 in the context of those projects and the overall set
5 of projects that the Claimants are referring to, my
6 estimate of damages would be in the region of
7 7.6 million plus 472,000 Pre-Award Interest.

8 Now, just to--I thought it would be useful
9 just to take you through the steps that are involved
10 in this Cost-Based Approach. Step 1 is, as I say, to
11 look at the historical expenditure on the Projects.
12 So, in the context of Meritage, the historical
13 accounts over the period from 2012 to 2016 show
14 expenditure of COP 69 billion, although the vast
15 majority of that expenditure was in 2015 and '16.

16 The next step in this approach is to deduct
17 how much of that expenditure has been funded by debt,
18 and/or pre-sales, and that amount in the context of
19 Meritage is 63 billion; that, therefore, results in
20 net costs, if you like, excluding debts of 6 billion.
21 I then allocate those net costs to the Shareholders
22 that are involved in this claim, so 40 percent of the

1 historical shares, according to the register, are held
2 by the Claimants, so 6 billion is then allocated by
3 40 percent to the Claimants. That leads to 2.5.

4 I then--as I say, I then take account of
5 inflation and risk over the period in which the
6 expenditure has been made, so I roll forward that
7 expenditure using a Risk-Free Rate, a nominal
8 Risk-Free Rate of 5.3 percent to the Valuation Date.

9 And the final step I take into account is
10 that I understand additional debt was provided by
11 Royal Realty to the project as additional damages to
12 be compensated. I don't believe BRG take that into
13 account, but I do, and I increase the amount of
14 damages by COP .4 billion, and I then convert the
15 total amount then into U.S. dollars at the Exchange
16 Rate at the Valuation Date.

17 And those series of steps then leads
18 effectively to my calculation of damages to be COP
19 3 billion converted at the Exchange Rate of COP
20 3,000 to U.S. dollars leads to damages of 1.1 million.

21 And that's the step that I take for each of
22 the projects. I've talked you through the numbers

1 there for Meritage because that's what I focused on,
2 but, in my report, I take essentially the same steps
3 for each of the projects to calculate what I call the
4 "Asset-Based Approach" for valuation of damages for
5 each of those projects.

6 Now, I understand that my approach is not
7 one that's agreed--agree with by the Claimants. I've
8 noted a number of comments by BRG and also the counsel
9 for the Claimants that comment on the Cost Approach,
10 and I thought it might be useful just to respond to
11 these comments today.

12 In essence, my understanding is they refer
13 the Cost Approach as backward-looking, an approach
14 that ignores the future and growth potential of the
15 company and ignores intangible assets.

16 I acknowledge that there are comments made
17 generally in the damage literature along these lines,
18 and, of course, there is no single one right way to
19 assess damages in all types of cases. So, you know,
20 yes, I would say it's true that some of these comments
21 have been made in the context of this approach. But I
22 wanted to emphasize the reasons why I still think this

1 approach is the right one.

2 First of all, as I say, it's one of three
3 approaches that is almost always referred to as one of
4 the approaches to estimate Fair Market Value. I think
5 when we look at the precedent--and again this is
6 slightly legal context, but when I look at the
7 precedent legally for which approaches are used in
8 which circumstances, I think there's a lot of
9 precedent to use a Cost Approach for assets that are
10 not yet going concerns, that are not profitable, that
11 are not generating cash flows. And, of course the
12 reasons why that's true is because, in the context of
13 those types of case, it's actually very difficult to
14 apply any different approach. If you haven't got
15 assets that are generating cash flows, that are
16 generating profits, how do you populate an approach
17 like the DCF Model? And I'll come on to that in a
18 minute.

19 But the criticism of the approach as being
20 backward-looking is not really a fair criticism
21 because when we think about competitive markets and
22 underpinning an awful lot of competition policy is the

1 premise that, in competitive markets, prices are
2 driven down to costs. That's what happens in
3 competitive markets. We end up with prices being
4 driven down to costs. And what that means is when
5 we're looking at industries that are, you know,
6 generally quite competitive, we would expect to see
7 the same outcome, prices being driven down to costs.

8 So, in that context, the future cash flows
9 of those projects end up being driven down to the
10 costs, to the investment costs that are put into those
11 projects over time to generate those cash flows. So,
12 you know, it's not strictly correct to say just
13 because we look at historical data that means it's a
14 backward-looking approach. No, that's not right. In
15 competitive markets, what we expect to see is the
16 future cash flows from those projects being driven
17 down to the invested costs to generate those projects.

18 And I think in, you know, in the context
19 that we're looking at here, the hotel and real estate
20 market, it's a competitive market. There aren't huge
21 barriers to entry, to buy land, to develop that land
22 for real estate or hotels. It's generally regarded to

1 be a competitive market. So, the merits of this
2 particular approach, I think, are quite strong in the
3 context of this case.

4 Now, I also noted in the--in counsel for the
5 Claimants' opening that they also argued that historic
6 costs don't account for changes in valuations over
7 time. They gave an example of the used car markets.
8 The prices of cars bought in historic years are not
9 the same in future years. Well, of course, that's
10 true, but we're not dealing with a used-car market
11 here. We're dealing with an infrastructure investment
12 with historic costs that have been made around bricks
13 and mortar and land, and we wouldn't expect those
14 costs to substantially change over time.

15 So, you know, I think that analogy is not
16 really applicable to the case that we're looking at
17 here, but I also think, in the context of this case
18 you know, we are looking at invested costs, as I say,
19 from Meritage that had been largely made in 2015 and
20 '16, very close to the Valuation Date, so we're not
21 looking at historic costs that had been spent many
22 years ago and asking what would they be worth many

1 years later. We're looking at costs that have been
2 spent on land, on leases, on bricks and mortar, and
3 we're looking at valuing those costs at a relatively
4 recent date to when they'd been invested.

5 So, I think that analogy is not really
6 relevant; and, as I say, I think this approach has a
7 clear method of taking account of changes in valuation
8 over time through inflation. That's how I take them
9 into account of a change in valuation over time.

10 So, as I say, I think the merits of the Cost
11 Approach in this case are actually very strong. I
12 also considered a DCF Approach, and I think you would
13 have seen my Second Report where I populated a DCF
14 Model to see how that reconciles with the outcome of
15 my Cost Approach. And, of course, you heard the
16 evidence yesterday from BRG that also used a DCF
17 Approach. But I think, you know, fundamentally, in
18 the context of this case, a DCF Approach is really
19 very difficult to apply.

20 We're talking about a claim that's based on
21 five different developments--Meritage, the Luxé,
22 Tierra Bomba, Santa Fé, and 450 Heights. In the

1 context of the Claim, 80 percent of the damages come
2 from the hotel components of those developments, but
3 yet no hotel has been completed and is up and running
4 so--but none of these developments do we have any
5 history of cash flows associated with the hotel
6 business, but yet 80 percent of the Claim for damages
7 comes from the hotel operations, so we don't have any
8 historic record of cash flows associated with the
9 hotel operations for these activities.

10 Many of the projects are really in very
11 early pre-development stage with even real estate not
12 yet developed or sold; and, in the context of the
13 Meritage, which is the focus of my Report in many
14 ways, that project was supposedly phased over eight
15 phases. Only Phase I has been--has reached
16 equilibrium, so that was the sale of units in Phase I.
17 But when I look at the cash flows that have been
18 generated from Phase I, Phase I appears to be
19 loss-making. So, even for the Meritage, where there
20 has been some development of Phase I, we still don't
21 have any history of positive cash flows being
22 generated from that project.

1 So, I think, you know, it's very difficult
2 to populate a DCF model in that context, and it's
3 notable that when we look at BRG's--when I reviewed
4 BRG's damages model, it's massively complex with
5 literally thousands and thousands of data entries
6 attempting to present forecasts of economic variables
7 associated with all of these projects, but yet we
8 really have very, almost zero operational history of
9 these projects against which to validate those
10 forecasts. So, in essence, the whole DCF exercise
11 becomes highly speculative.

12 Notwithstanding that, I did think it was
13 useful for the Tribunal to see what I thought a DCF
14 approach would produce. So, in my Second Report I
15 went further than my First Report and attempted to
16 populate a DCF approach. I present the result on this
17 Slide 10. In the context of Meritage, I think the DCF
18 data suggests to me something in the region of 0 to
19 2 million. In the context of all the projects
20 overall, something in the region 3 to 7 million. So
21 the outcomes, in my view, from the most reasonable
22 assumptions I could make for a DCF approach are

1 actually pretty consistent with the Cost Approach, but
2 I still don't think it's the right approach to be
3 using. I think it's far too speculative, far too many
4 assumptions need to be made, and we really have very
5 little basis to validate those assumptions.

6 I think, just moving on a little bit to
7 commenting on BRG's assumptions, on Slide 12, I've
8 broken down BRG's overall claim of damages of
9 200 million into the different components that that
10 claim is based on, and hopefully this is helpful
11 because it shows you, I think, just how many different
12 parts of this case, how many number of different
13 projects are associated with it. You've got the hotel
14 operations. You've got five different developments
15 for the hotel operations. You have five different
16 developments for the real estate operations. You have
17 fees associated with the hotel, fees associated with
18 the real estate. And all of these developments are
19 also phased over time, so they have a number of
20 different phases.

21 And, therefore, what that means is, you
22 know, when coming up with a DCF calculation, there is

1 effectively a DCF calculation for each of these
2 individual projects and for each of these individual
3 phases sitting below these projects. And all of that
4 needs to be populated, assumptions need to be made
5 about the valuation drivers for all of these myriad of
6 projects and forecasts; and, as I say, you know, we
7 really have very little operational history against
8 which to validate those assumptions.

9 One exercise I did in my Report was to
10 crosscheck BRG's calculation of the DCF Approach
11 against the prices that have been paid by the
12 Investors in these projects into the Project
13 Companies. In a sense, you could think of this as a
14 Market Approach because it says, you know, what did
15 investors pay to establish equity into the projects?
16 And for Meritage, we see the date of the share
17 purchases, the date of the original equity investments
18 in May 2013, the implied value--a hundred percent of
19 the shares were purchased at that point in time, the
20 implied valuation of the project at that point in time
21 was therefore 2.25 billion, but yet BRG's DCF claim
22 for valuations in the region of 2.5 years later is

1 163 billion.

2 So, I mean, that doesn't take into account
3 additional capital contributions that might have been
4 made over that period, but it does say when the
5 project was started, relatively recent to the
6 Valuation Date, we are being led to--if BRG's DCF
7 calculation is right, then the valuation of that
8 project has increased by 72 times over that period,
9 and that, to me, doesn't make sense economically
10 because over the period from May 2013 to the end of
11 2016, very little has actually happened in the context
12 of the Meritage Project. We have Phase I, yes, where
13 there has been sales of the units, but Phase I is
14 still only 20 percent or so constructed. We have no
15 operational history, no sales of units for the hotel.
16 We have a very limited number of sales for some of the
17 other phases. But yet, if BRG's calculation is right,
18 the valuation of the Project has increased by 72
19 times, so economically that doesn't really make sense,
20 in my mind.

21 We asked for additional data on share
22 purchases or acquisition of equity after that period.

1 I believe it's perhaps an issue of dispute as to how
2 much of this data is on the record, but there was
3 discussion last night of a transaction by Haystack
4 Holdings, of a stake in the Luxé Royal Realty. My
5 understanding is that the price that was paid for that
6 purchase is 35.2 billion. Again, if that's right,
7 there's a clear mismatch in the valuation that's been
8 put forward by BRG of 155 billion against the implied
9 valuation of the assets in 2015 of 35 billion. So,
10 you know, again, the clear mismatch between the DCF
11 Model that BRG are putting forward and the implied
12 valuation in 2015.

13 And by the way, you know, the implied
14 valuation of these stakes is broadly consistent with
15 my Cost Approach, so it's very different from BRG's
16 DCF approach. It's broadly consistent with my Cost
17 Approach.

18 So, just moving on to a few comments, then,
19 on BRG's issues of detail. Overall, as I say, I think
20 there are exaggerated or optimistic assumptions of
21 most of the key value drivers in the BRG model. I'm
22 going to pick out a few, but, in essence, the

1 valuation of these projects is driven by the profit
2 margin. It's the EBITDA or the profit margin of the
3 Project that really drives the valuation in the DCF
4 Model. You know, we can dispute individual items on
5 revenues and costs, but overall valuation is about
6 profits; and therefore, the key assumption in their
7 model is the profit margin, and that's what I focused
8 on in my analysis.

9 When I look at the profit margin of the BRG
10 assumptions on the various hotels and I compare that
11 to benchmarks in Colombia but also other Emerging
12 Markets, you know, my conclusion generally is that the
13 profit margin appears to be in the region of two times
14 higher than we see for relevant benchmarks. And I
15 note that The Charlee has been discussed a number of
16 times in the case so far; but, even if we compare
17 these projects to The Charlee, it appears as though
18 that these projects are around two times more
19 profitable than The Charlee Hotel has been. So, that,
20 in my view, is a key assumption in the BRG model
21 that's leading to inflated estimates of damages using
22 that approach.

1 The other key assumption in the model is the
2 Cost of Capital because it's the Cost of Capital
3 that's discounting the profits that leads to the net
4 present value. I think, again, this is an
5 unreasonable assumption by BRG. They appear to be
6 assuming a Cost of Capital in the region of 8 percent
7 nominal post-tax. I don't think that makes sense in
8 the context of projects that haven't been yet
9 developed, constructed, there is still a significant
10 failure risk, construction risk associated with it.
11 They're in Colombia, which is by no means a country of
12 low-country risk. I think their Cost of Capital--and
13 I've done a lot of work on Cost of Capital over many
14 decades--is more appropriate to a Cost of Capital that
15 we might see in a market like the U.S. A Cost of
16 Capital around about 8 percent nominal is a typical
17 Cost of Capital that we observe for setting rates of
18 return for U.S. utilities, not for Colombian real
19 estate.

20 I've done my own analysis. I think a more
21 reasonable Cost of Capital is in the region of 12 to
22 18, but I think there's other evidence that tells us

1 that this Cost of Capital can't be right because the
2 projects, themselves, have taken out debt at the rates
3 of 10 to 11 percent, and it's impossible for the Cost
4 of Capital, which is a weighted average of equity and
5 debt, it's impossible for that number to be below the
6 cost of debt of the projects because the Cost of
7 Equity is always higher than the Cost of Debt. So,
8 the weighted average, therefore, must be higher than
9 the Cost of Debt.

10 So I think that there's clear evidence on
11 the record that Cost of Capital can't be right. I've
12 also noted that the Claimants, themselves, appear to
13 have offered these projects to investors at Internal
14 Rates of Return of 25 to 28. That doesn't make sense
15 if they think the Cost of Capital is 8 percent.
16 Effectively, they would be giving away free money
17 associated with these projects if they thought the
18 true Cost of Capital was 8 percent but they're willing
19 to offer investments at a promised or expected rates
20 of return of 25 to 28.

21 So, that, in my view, is a key number that's
22 wrong in the BRG model. But, of course, you know, all

1 of this data also shows that actually, you know, it's
2 quite difficult to estimate a precise Cost of Capital
3 for this type of project in this country, and that's a
4 key assumption in a DCF Model; and if we can't be very
5 certain about that assumption, we can't be very
6 certain about the outcome from a DCF Model.

7 I think another key issue with BRG's DCF
8 Approach is how they take or don't take into account
9 potential failure risk associated with the projects.
10 This was discussed yesterday. My views on this are
11 that, given the early stage nature of these projects,
12 and I've talked about Meritage, only Phase I being
13 started, being pre-sold, Phase I was not yet even
14 fully constructed. Phase II, which is the big hotel
15 complex was not constructed, had no pre-sales.
16 Phases III to VIII or IV to VIII are very limited
17 pre-sales, not yet constructed. Financing for all of
18 the projects had not been raised. There was no clear
19 evidence that the project was profitable. Phase I was
20 actually loss-making.

21 Just intuitively as an economist, is it
22 reasonable in that context to assume 0 percent failure

1 risk. That's BRG's assumption--0 percent failure
2 risk--but yet, you know, such a limited amount of the
3 project has so far been undertaken. Yes, we can look
4 at Charlee, and we can say Charlee--we can see that
5 Charlee has been profitable, but Charlee is a very
6 different business from what these projects are.
7 These--many of these projects are multiple times
8 bigger than Charlee. The Charlee is a hotel complex.
9 These projects are combinations of real estate and
10 hotels. They have many, many more units than The
11 Charlee Hotel. They're in a very different location
12 from The Charlee Hotel. They're outside of Medellín,
13 sometimes in quite rural areas. It just doesn't make
14 sense to be assuming that these projects have
15 0 percent failure risks.

16 You know, what is the right failure risk?
17 That's the question I ask myself because I also
18 attempted to populate a DCF Model, but the reality is,
19 you know, we, as economists or valuation people, we
20 have very little data to tell us what is the right
21 failure risks for these types of investments. You
22 know, we're looking at, you know, quite unique

1 development plans in quite unique areas of Colombia.
2 You know, we don't have a dataset that we can go to
3 and say, "Oh, well there has been X number of previous
4 attempts to develop projects in similar areas of a
5 similar scale." That type of data just doesn't exist,
6 and as a result of that, inevitably, if we're trying
7 to estimate failure risk, we have to be--to
8 essentially speculate on that, and that's very
9 difficult to do, of course. All that makes the
10 damages calculation inherently speculative as a
11 result.

12 Moving on quickly to real estate. Real
13 estate is a much smaller component of the damages
14 claim. It's only 20 percent, whereas hotels are
15 80 percent, but I have the same concerns with BRG's
16 assumption on real estate. At the profit margins that
17 they appear to be assuming for key stages of the
18 Projects at the Meritage and Tierra Bomba Project in
19 particular, are significantly above the profit margins
20 for other Colombian real estate developers. They're
21 also above profit margins for other datasets that
22 we've looked at. And I note CBRE themselves, the real

1 estate experts, did a survey and estimated profit
2 margins in the region of 16 to 19--sorry, 12 to
3 15 percent, so even lower than the 16 to 19 percent.
4 So, you know, BRG's assumption of 47 percent or
5 42 percent is essentially driving their calculation of
6 damages for real estate, but that assumption is way
7 higher than we see in the observed data for real
8 estate comparators.

9 We have the same issues with the Cost of
10 Capital, they're actually assuming an even lower Cost
11 of Capital for real estate of 7.7 percent nominal.
12 You know, again that--that just doesn't make sense to
13 me as an economist for real estate development in a
14 country like Colombia. There must be more risks
15 associated with that type of development than a Cost
16 of Capital of 7.7. There's the same inconsistencies
17 with the Cost of Debt. The Cost of Debt for these
18 projects is higher than that number. That number,
19 therefore, 7.7 can't be right. And we see the same
20 inconsistencies between the offered IRR for the
21 projects being much higher than their assumed Cost of
22 Capital, which again doesn't make sense.

1 CBRE did their own surveys of the Cost of
2 Capital for these types of projects and found numbers,
3 you know, much higher than BRG's assumption.

4 I have the same issue with BRG's assumptions
5 on failure risks for real estate. As I've talked
6 about, you know, just like hotels, the real estate
7 aspects of all of these projects were really in very
8 early stage.

9 From what I can tell, Phase 1 of Meritage,
10 which was a real estate phase, was the one that had
11 really reached equilibrium in terms of the Projects
12 the Claimants are claiming for, and as far as I can
13 tell, that Project was actually loss-making. So,
14 again, it doesn't seem to make sense to be assuming
15 zero percent failure risk when we have, you know, so
16 many potential risks associated with this Project in
17 terms of can the Projects raise financing, can the
18 Projects complete construction on time, are there
19 going to be other macroeconomic risks associated with
20 the Project that affect the profitability--you know,
21 we simply don't know. These are very bespoke
22 projects. It doesn't make sense to be assuming

1 zero percent failure risk, in my view.

2 The other component of the damages, I've
3 talked about hotels and real estate, the other
4 component of the Claim for Damages is what BRG
5 referred to as lost fees. So, these are fees that
6 would have supposedly been paid to Royal Realty, the
7 operator of the hotel and real estate operations.
8 Again, in my view, these estimates of damages
9 are--look exaggerated or inflated. And in a sense,
10 one of the reasons for that is because they are being
11 driven by inflated projections of revenues and profits
12 because the fees that are generated to Royal Realty
13 are based on the percentage of revenues and profits,
14 and if the revenues and profits are inflated, it
15 therefore follows that the fees are inflated.

16 But the other sort of crosscheck that I did
17 was, when looking at the fees that were supposedly to
18 be generated to Royal Realty, one would think that,
19 because the profit margins associated with those fees
20 were so high, in the region of 95 percent, one would
21 think that you might then expect to see those high
22 profit margins in the Royal Realty accounts because

1 Royal Realty's been operating up to the Valuation
2 Date. So, you know, if it was true that it was a very
3 profitable operator, we should at least expect to see
4 those profits generated in their accounts, but we
5 don't. We see over the period 2011 to 2015 negative
6 profits in most of those years. So, you know, no
7 evidence up to that point in time that the Company was
8 profitable and, therefore, little evidence to validate
9 these calculations of lost fees.

10 There's another component to damages
11 associated with future hypothetical projects in the
12 Claim. In my view, there's very little evidence to
13 back up what these projects would be. I have
14 attempted to do an almost "back of the envelope"
15 calculation using a DCF of what they might be, but in
16 essence, I think for this type of Claim of future
17 hypothetical projects, I think the basis for a damage
18 claim is very weak because it's not, in my view, been
19 clearly established why that project has been lost,
20 you know, why could the ideas for that project, if
21 those ideas existed, not be sold to another investor,
22 why could those ideas not be--not still be pursued. I

1 haven't seen anything on the record that clearly tells
2 me that there's a damage for these hypothetical
3 projects.

4 I know BRG say they do a market crosscheck
5 on their damage calculations, and this was discussed
6 also in the context of JLL's presentation. I don't
7 think what they do is the right crosscheck, and I
8 think it leads to very misleading conclusions. And in
9 essence, you know, what JLL appear to be doing is they
10 appear to be saying, if we look at fully constructed
11 hotels and the transaction prices paid for fully
12 constructed hotels in other markets, we can compare
13 that to the Transaction--the implied Market Value that
14 we generate through our DCF. Yes. I mean, in theory,
15 maybe that's, you know, something that's relevant to
16 look at but the problem is we're not dealing with a
17 fully constructed hotel here. We're dealing with a
18 hotel that has not yet started construction, you know,
19 the money hasn't been spent on any of these hotels
20 yet. So, there's no reason to expect that the
21 valuation of hotels that have not yet started
22 construction should be anything like fully developed,

1 fully operational hotels in other markets. You know,
2 clearly, there's development construction failure risk
3 associated with the Colombian hotels that are not
4 present in the other markets. That's one factor they
5 didn't take into account.

6 They also didn't take it into account when
7 they looked at these other hotels, what they were
8 looking at were, you know, very strong luxury brand
9 hotels--Four Seasons Hotels, Sheraton, Ritz-Carlton
10 Hotels--and trying to benchmark that against, you
11 know, the potential valuation of the Meritage hotel,
12 and clearly that's, you know, that's a very difficult
13 comparison. Those hotels have extremely strong
14 brands. They charge room rates five times or so
15 higher in some cases than are being projected for
16 these hotels, and therefore, you would expect their
17 valuations to be very different. So, in a sense, what
18 they've done as a crosscheck, in my view, actually
19 shows that their valuation is way higher than it
20 should be because it doesn't take account of any of
21 these factors.

22 Almost, finally, I think I'm down to the

1 issue of Pre-Award Interests. I think the right way
2 to take account of Pre-Award Interest is using an
3 Opportunity Cost of funds associated with the
4 Risk-Free Rate. I think that's the--normally the
5 standard approach to look at Pre-Award Interest
6 because effectively what we're doing is we're saying
7 if damages were--are calculated at a Valuation Date in
8 2016, how do we take account of what those damages are
9 worth in today's money? There's no risk associated to
10 the Claimants with rolling that money forward to the
11 Valuation Date, and therefore, it's appropriate to use
12 a U.S. Risk-Free Rate. Therefore, in rolling that
13 number forwards, particularly because the calculation
14 of damages in 2016 by both myself and BRG, are based
15 on converting Colombian pesos to U.S. dollars in 2016,
16 so it's a U.S. damages that's then rolled forward with
17 the U.S. Risk-Free Rate.

18 In my view, the only alternative way of
19 doing things is to calculate damages in Colombian
20 pesos and then roll that number forward at a Colombian
21 Risk-Free Rate. I did crosscheck it, my calculation
22 using that alternative, and that would actually lead

1 to a lower--a lower number to the Claimants. I didn't
2 think that was appropriate because my understanding is
3 that they're making a claim for damages in U.S.
4 dollars, so I think the conversion should be done,
5 the Valuation Date into U.S. dollars rather than at a
6 later point in time, but I did do that--I did do that
7 sensitivity.

8 Overall, this slide--this Slide 27 just
9 summarizes the differences between my approach and
10 BRG's, in terms of overall damages. As I say, I've
11 been asked to focus on the Meritage because I
12 understand it's the Respondent's case that only the
13 Meritage was potentially affected. My valuation of
14 damages, if there are to be damages, is in the region
15 of 1.16 million, including interest. That contrasts
16 with BRG's claim for damages of--in the region of
17 250 million.

18 I have a list of appendices in my Report on
19 other matters. I didn't think I would have time to
20 take you through that today but they deal with other
21 assumptions in BRG's model concerning ADR and
22 occupancy rates, the speed at which the--BRG claim

1 they could sell real estate units, other evidence on
2 the Royal Realty fees and why I think that's
3 exaggerated. I'm happy to leave them in the slide
4 pack for you to ask questions on them, if do you, but
5 I think they're probably second order compared to the
6 bigger assumptions about profitability margin because
7 most of these assumptions feed into the profitability
8 margin calculation, which I think I've shown you I
9 think is much too high in BRG's model.

10 Thank you for your time.

11 PRESIDENT SACHS: Thank you very much,
12 Dr. Hern. And we see that you are quite far apart,
13 BRG and you, but we now give the floor to the Claimant
14 for cross-examination.

15 Mr. Moloo, will you be in charge of the
16 cross-examination?

17 MR. MOLOO: Yes, Mr. President. I do have
18 one question from a timing perspective, I know we had
19 said that there would be some flexibility. I don't
20 intend to take longer than, let's say about an
21 hour-and-a-half, but I just don't want an objection if
22 we do end up taking, I think we have an hour and 19

1 minutes or something like that. Given all the
2 interpretation issues, et cetera, I just want to make
3 sure that we deal with that issue up front.

4 PRESIDENT SACHS: Yes. We may have a break
5 after, let's say, 45 minutes or so.

6 MR. MOLOO: Understood.

7 CROSS-EXAMINATION

8 BY MR. MOLOO:

9 Q. Good morning, Mr. Hern. It's nice to meet
10 you.

11 A. Good morning.

12 Q. My name is Rahim Moloo, and I'm counsel for
13 Claimants in this case. And as I'm sure you expected,
14 I have a few questions for you.

15 Now, in your First Report, if I understand
16 correctly, your qualifications are set out at
17 Appendix A, which is at Page 114; correct?

18 A. Yes, that's right.

19 Q. And you're a Managing Director in NERA UK.
20 You're based in the United Kingdom; is that right?

21 A. Correct.

22 Q. And you've prepared testimony on a range of

1 issues and I'm--I'll just wait for these to be given
2 to you. Don't be scared by the number of pages. As
3 you know, some these documents are really long, and I
4 don't intend to take you through all of them.

5 So, on Page 114 of Appendix A--and you can
6 put that up--of your First Report, in Paragraph 262,
7 you talk about your experience, and the last sentence
8 you talk about, you know, you've worked in the
9 commercial investor-State disputes encompassing a wide
10 range of industries, including energy, oil and gas,
11 telecommunications, manufacturing, distribution,
12 utilities, shipping, air travel and transport
13 infrastructure. I didn't see hospitality or real
14 estate in there. I assume that's because you have not
15 had much experience in those industries?

16 A. No, that's not--that's not really true,
17 actually. That list was--a sort of list of the bigger
18 industries that I've worked on. I actually recent--I
19 testified last year on a large real estate case in
20 Serbia, which I think is listed in my detailed CV
21 experience. Just let me try to find that.

22 Q. That's fine. I'll take your word for it.

1 A. But it's--yeah, that's right. On Page-116,
2 it refers to a case in--it's actually in Serbia
3 regarding a large agricultural and real estate
4 business.

5 I think also, you know, fundamentally, most
6 of the cases I testify on, they're large
7 infrastructure investments because those are typically
8 the types of cases that end up in investor-State
9 disputes. Many of them have, as part of the, you
10 know, Investment, land associated or real estate
11 associated with those investments, so the--you know,
12 the whole issue of the valuation of that land and real
13 estate is often, you know, an issue that I deal with,
14 you know, just regardless of the industry actually.

15 Q. So, you consider yourself a real estate
16 expert?

17 A. No, I wouldn't say that. I'm an economist
18 and valuation, you know, person. I don't specialize
19 in one particular industry. I sp--you know, I deal
20 typically with infrastructure generally, you know,
21 across a wide range of industries.

22 Q. Do you consider yourself an expert in the

1 hospitality industry?

2 A. I mean, again, it's an industry I've had
3 quite a bit of experience on, you know, in my work.

4 Q. You can say "yes," that's fine. You can
5 say--

6 (Overlapping speakers.)

7 A. I wouldn't characterize myself as a
8 hospitality expert, but it's an industry I've worked
9 on quite a lot in the context of, you know, consulting
10 and dispute work.

11 Q. The Serbia Case?

12 A. The Serbia Case is one, but--you know,
13 again--

14 (Overlapping speakers.)

15 A. I'm actually working on a hotel case right
16 now in--again, in Serbia. I've done a lot of
17 valuation work in the context of airports, which have
18 hotels associated, you know, with--the air sector is a
19 big sector that I've worked on. So, you know, this
20 issue of valuation of hotel businesses has come up in,
21 you know, quite a few recent cases, too.

22 Q. Okay. That's--then, you'll be well-placed

1 to answer some of my questions.

2 You consider CBRE to be real estate experts?

3 A. Yes.

4 Q. And including Valuation Experts for real
5 estate and hospitality assets, you consider them to be
6 more of a specialist expert than you in that space;
7 correct?

8 A. No. I think you asked, do I consider them
9 to be real estate experts.

10 Q. Yes--this is a second question.

11 (Overlapping speakers.)

12 REALTIME STENOGRAPHER: I'm sorry. You're
13 talking over each other. Try it again.

14 THE WITNESS: Sorry.

15 I thought your question was, do I consider
16 them to be more of an expert on valuation of real
17 estate, which I would say I don't because my
18 understanding is that they're more experts on real
19 estate generally, but their work is not necessarily
20 focused on valuation, whereas my work is focused on
21 valuation. So, I think there's a distinction there
22 between the industry, yes, they appear to focus on

1 real estate but, you know, I wouldn't go so far as to
2 say that I have any particular views on whether
3 they're an expert on the valuation or real estate.

4

5 BY MR. MOLOO

6 Q. You are familiar with how big CBRE is;
7 right? You're familiar with them in the real estate
8 sector, given the work you've done in real
9 estate--sector

10 A. Yes. Yes, generally, yes.

11 Q. They're a pretty big company that does a lot
12 of work in valuation of real estate assets. That's
13 kind of one of their main streams of business?

14 A. Yes, I can accept.

15 Q. And JLL likewise?

16 A. Well, I know of JLL in the same context,
17 yes.

18 Q. Let's go to the CBRE First Report. If you
19 go to Page 50--can you put that up? The CBRE Report.
20 Sorry, I wasn't expecting to have to do this.

21 No, they're--oh, yeah, that's the one,
22 Page 50 of that.

1 You can see Mr. Chris Maugeri is the Head of
2 Valuation and Advisory Services for Latin America.

3 Do you see that?

4 A. Yes.

5 Q. And I think he said yesterday they valued
6 well over \$40 billion in assets per year.

7 Do you see that?

8 A. Yes.

9 Q. So, you consider yourself more of an expert
10 in valuing hotel and hospitality industry assets than
11 CBRE? Did I understand your testimony correctly?

12 A. No, I didn't say--I don't think I said that
13 I was more of an expert, but--

14 Q. You said that they were not an expert;
15 right?

16 A. No, I didn't.

17 Q. Okay. You didn't--

18 (Overlapping speakers.)

19 A. I don't think I said that they were not
20 expert. I think I said that I--my understanding of
21 CBRE is that they certainly have a focus on real
22 estate as an industry and are experts in that

1 industry. I don't reach a view on whether they're
2 more experts than me or vice versa in terms of
3 valuation because my expertise is as a valuation
4 economist, so I think, you know, we're not--I don't
5 want to particularly compare those two attributes.

6 Q. Okay. Your instructions in your Second
7 Report--we could go to them--turn to at Paragraph 8.

8 "Were to review, analyze and provide my
9 expert views on damages calculations in BRG's Second
10 Report, respond to BRG's critiques of the damages
11 assessment presented in my First Report, update
12 assessment of damages arising from measures based on
13 info--information from BRG/Claimants."

14 That's roughly what you were instructed to
15 do; is that right?

16 A. Yes. Yes, correct.

17 Q. So, you were not instructed to respond to
18 JLL's Report; is that correct?

19 A. Directly, that's correct, but, of course,
20 BRG, as part of their Report, referred to JLL in terms
21 of some of their assumptions, so indirectly I have
22 interpreted my instructions to respond to parts of JLL

1 Report--parts of the JLL Reports too.

2 Q. Now, you understand--I think we're all on
3 the same page on this--that the Parties agreed that if
4 the Tribunal finds Colombia is liable, it must
5 compensate Claimants the Fair Market Value of their
6 Investment as of the Valuation Date; correct?

7 A. Well, I think that's, in some sense, a legal
8 issue on what they must compensate, but--so I don't
9 reach a view on that.

10 Q. Okay. You talked a lot about legal
11 precedent earlier so I thought you might have a view
12 on that.

13 But you can agree, at least, that Fair
14 Market Value is at least the price that a seller's
15 willing to accept and a buyer's willing to pay on the
16 open market in an arm's-length transaction; correct?
17 That's a fairly standard definition of Fair Market
18 Value.

19 A. Yes. I would say it's the price that a
20 willing buyer would pay to a willing seller in a--in
21 the market, in a liquid market, the--hypothetical
22 price, yes.

1 Q. So, the Fair Market Value requires an
2 assessment of what an asset would sell for on the open
3 market; correct? That's what we're assessing here.

4 A. Essentially. That's right, yes.

5 Q. And it should be an arm's-length
6 transaction; correct?

7 A. Yes.

8 Q. And you identified the Income Approach, the
9 Market Approach, and the Cost Approach and, in your
10 view, the best approach is sort of, like, a sunk-costs
11 type approach; correct?

12 A. Well, I didn't characterize it as "sunk
13 costs." I call--I think I referred to it as the Cost
14 or the Asset-Based Approach, but I think that's right
15 in the context of this case, that that leads to the
16 most reliable conclusions in the context of this case.

17 Q. And by "sunk cost," I mean--just--what was
18 paid for the Investments, that's what your--that's
19 your approach to valuation; correct?

20 A. Well, no, not quite, because I think as I
21 explained in one of my slides, my approach is to take
22 account of what was paid for the Investments, but also

1 what are those investments worth today, by--and I do
2 that by rolling forward the historic costs of those
3 investments with a nominal Risk-Free Rate, which
4 includes inflation.

5 Q. Right.

6 A. Which, in my view, provides the best proxy
7 for what those investments are worth today, so it's
8 not just sunk costs--

9 (Overlapping speakers.)

10 Q. --sunk costs updated at a Risk-Free Rate?

11 A. Essentially. You know, you could think of
12 that as a replacement--an estimate of the replacement
13 costs of those assets, yes.

14 Q. So, you've taken a replacement-cost type
15 approach?

16 A. Yes.

17 Q. And your view is that you can replace these
18 assets by--on the--well, yes, I think you've answered
19 that question.

20 And to support your approach, you appear
21 to--you've mentioned a lot of legal precedent, and you
22 also rely on Articles from the Global Arbitration

1 Review Guide on International Arbitration; correct?

2 A. Well, I do both, but I also--and I think I
3 explained today--as an economist, also justify my
4 approach based on economic principles of prices in
5 competitive markets, generally converging to the costs
6 of the Investments in those markets, so there's a
7 basic economic principle that the prices that we
8 expect to observe in markets that are competitive,
9 that the cash flows should converge to the cost of
10 those investments.

11 So, yeah, that's the basis for why I think
12 that's the right approach. And then, I think, yes,
13 there are legal and economic precedents to support
14 that view as well, yes.

15 Q. Mr. Hern, we're the--you and I are what
16 stand between everybody going home, so I would prefer
17 if you can just listen the question very carefully and
18 just answer the question, and this will proceed much
19 more quickly.

20 A. Well, I thought I did, sir. I mean, you
21 asked me why I preferred the Cost Approach--

22 (Overlapping speakers.)

1 Q. No, I did not ask that. I said, did you
2 rely on the Global Arbitration Guide to Damages on
3 International Arbitration--

4 A. But my answer to that question is no, sir.
5 I did not rely on that, and I explained my answer
6 because I said I start with an economic justification
7 for using that approach, and then the precedent and
8 the GAR Articles and the other precedent I've referred
9 to, you know, supports, in my view, in my choice of
10 that approach. But I, you know, I'm not just relying
11 on the GAR--on the GAR Article.

12 Q. Understood. You're just not relying on
13 them. That's completely fine, Mr. Hern.

14 Let's go to Hern--your First Report at
15 Paragraph 76, which is page 34.

16 So in B and D, you referred to the Damodaran
17 Guide to Damages in International Arbitration, and you
18 referred to few articles, even in Footnote 45 from
19 this book. I assume you're quite familiar with this
20 book; is that fair?

21 A. Yes.

22 Q. And now, did you look at this book just for

1 quotes that supported your position, or did you, as an
2 independent expert, also look for quotes that
3 suggested another approach might be appropriate here?

4 A. I thought I--my interpretation of what was
5 written in this book was that it supported my choice
6 of approach, and I referred to paragraphs that I
7 thought were particularly relevant to highlight that.

8 Q. So, you think overall the position expressed
9 in this book supports your view?

10 A. Yes.

11 Q. I think one of the articles you cite is at
12 Page 205 of the GAR book, which is RH-004, if you want
13 to go to it. It's in one of your binders as well.
14 But we will put it up on the screen, if that's easier.
15 Page 205.

16 And at Paragraph 76(b) of your First Report,
17 you cite this last paragraph of the page; correct?
18 You cite this paragraph saying: "In the case of
19 startups, it may, therefore, not be appropriate to use
20 the DCF method as there may not be much evidence on
21 which an expert could conclude that any forecasts are
22 reasonable, and there are examples of tribunals

1 rejecting the DCF valuation methodology based on lack
2 of historical data."

3 And you quote that paragraph; correct?

4 A. Yes.

5 Q. But you don't quote the very next sentence,
6 which says: "However, a lack of historical data does
7 not necessarily preclude the use of a DCF method. It
8 is necessary to assess the Company involved or project
9 in question."

10 Correct?

11 A. Well, I don't quote that because, if you
12 look at the next sentence on that paragraph, it then
13 talks about industries, for example resource
14 industries, mining, oil and gas where start-up
15 companies may actually have quite good--quite a good
16 basis to forecast cash flows because, the cash flows
17 generated by those industries are essentially driven
18 by the prices of those commodities, so that paragraph
19 didn't seem relevant to me to quote because those are
20 not the type of industries that we're dealing with
21 here.

22 Q. So, you accept, though, that in certain

1 instances, in the start-up context, it is acceptable
2 to use the DCF valuation, just not in this particular
3 industry?

4 A. That's--that is my view, yes, that's right.
5 In some circumstances, for start-ups or newer types of
6 industries, I think you could apply a DCF with much
7 less speculation than this context, and a DCF could be
8 appropriate.

9 Q. Okay. So, your concern is primarily with
10 the hospitality industry and real estate sector;
11 correct?

12 A. No, not just the industry--not just the
13 industry. The nature of these projects. I mean, it's
14 the hospitality and real estate industry in the stage
15 of development or lack of development that we're
16 dealing with here. The Projects haven't been
17 constructed. They haven't--we don't have a historical
18 set of data to tell us about the cash flows for these
19 projects. We don't have other projects that are
20 existing that, I think, are comparable to these
21 projects. So, there's a myriad of factors I think why
22 the DCF in this particular case, hospitality but also

1 early stage in Colombia, lack of comparators, makes it
2 very speculative.

3 Q. You're aware that some of the criteria that
4 were identified here are whether or not the forecasts
5 are supported by other closely related entities with
6 relevant experience. Do you see that? That's one of
7 the criteria that you would look at?

8 A. Yes, absolutely, that's right.

9 Q. And you're aware that Mr. Maugeri yesterday
10 said that for completely undeveloped properties, he
11 has used the DCF method before--correct?--with the
12 hospitality industry?

13 A. I'm aware--I'm aware that's CBRE's
14 statement, yes.

15 Q. But you disagree with it, that that is a
16 reasonable approach for purposes of the hospitality
17 industry?

18 A. I disagree with the use of this approach,
19 DCF approach, in this context. I don't know what
20 context he was talking about. I understand it to be
21 land in California or somewhere. You know, I haven't
22 reviewed what he's done in that particular case.

1 I disagree--

2 Q. He didn't refer to land in California, but
3 maybe you're familiar with the study that I'm not?

4 A. So. Perhaps you could tell me what the
5 study did concern.

6 Q. There was no study. I can take you to the
7 testimony. It seems like you may have access to
8 information I don't, but I can--if we go to the
9 testimony from--I had it here--from yesterday. If we
10 go to Page 154 of Day 5. Of Day 5, yes. Losing track
11 of days.

12 REALTIME STENOGRAPHER: Page 154 you said?

13 BY MR. MOLOO:

14 Q. Yes, it's Page 154. I'll just read it into
15 the record. The question was: "Have you ever done a
16 DCF for an undeveloped project, Mr. Maugeri?
17 Undeveloped, not in development."

18 And Mr. Maugeri's answer was: "Yes."

19 So do you disagree with that as an approach
20 to valuing undeveloped real estate projects?

21 A. Not as a matter of principle. I don't know
22 what he was talking about. I did have a conversation

1 that he had done some work in California but
2 apologies, if that's not on the record.

3 As a matter of principle, would I disagree
4 with the use of a DCF for undeveloped projects? Not
5 necessarily because I think there are some
6 circumstances where one could get quite comfortable
7 with, you know, how that project would evolve, based
8 on, for example, a history of that developer
9 developing a number of very similar projects in
10 similar locations.

11 And I think as a valuer, you could get quite
12 comfortable, taking California as an example, that if,
13 if a developer bought a plot of land in one part of
14 California and had developed that plot of land in very
15 close locations and had a very high success rate of
16 doing that over a number of years, I think one could
17 get quite comfortable that the DCF assumptions in that
18 circumstance, you know, might be quite--quite reliable
19 because you could get, you know, for example, good
20 data on Failure Rates. That developer had done a lot
21 of similar projects.

22 So, I think you have to take each case on

1 its own. As I said, I don't know what he was talking
2 about, but my view is, in the context of this case,
3 it's too much--way too much speculation about the
4 valuation drivers for these projects, so it's in the
5 context of this case that I reached my view.

6 Q. So, you would be okay with completely
7 undeveloped Project using DCF but not in the context
8 where you have construction underway, Construction
9 Contracts, pre-sales of 150 units, in the Luxé
10 context, 70 percent constructed hotel. You wouldn't
11 be comfortable with using a DCF in that context. But
12 undeveloped potentially yes?

13 A. As I say, each case has to be on its own
14 merits. You've described a few of the features of
15 these projects that have happened, but I think what
16 you haven't described is that the vast majority of the
17 valuation that is supposedly coming from these
18 projects, 80 percent is coming from the hotel
19 component of these projects. And the hotel has not
20 started in any of these developments, so we don't have
21 a track record of hotel operations in any of these
22 developments. We don't have comparator data for

1 similar hotels that we can benchmark against for any
2 of these developments. These are much bigger scale
3 hotels than The Charlee Hotel that has been put on
4 record as a supposed comparator.

5 So, in the context of this case, with the
6 limited amount of data that we have, with the very
7 early stage nature of all of these projects, yes, I
8 don't think you can get comfortable with a DCF
9 Approach. Now, that may be very different for other
10 cases where you have better data, more reliable data
11 on the--you know, whether that developer has
12 successfully developed similar projects in very
13 similar locations. A DCF could be more appropriate in
14 those cases. I just don't think so here.

15 Q. Okay.

16 MR. DAOUD: Mr. Chairman, I'm sorry, we need
17 to clarify something for the record. Mr. Moloo
18 suggested that Dr. Hern has information, has access to
19 information that is not on the record. That
20 information is at C-434, Claimants' exhibit.

21 MR. MOLOO: Well that's the study. I didn't
22 realize that was the study he was referring to.

1 Yeah, I believe that study relates to a
2 project in Mexico, not in California, actually. So, I
3 actually don't know what you're--

4 MR. DAOUD: Baja California in Mexico. It
5 relates to a study in Baja California in Mexico.

6 MR. MOLOO: Right, it's a state in Mexico;
7 right? Not California. Just to confirm.

8 MR. DAOUD: Correct.

9 MR. MOLOO: So, it's in Mexico, not in
10 California. I have no idea what California study was
11 being referred to there.

12 THE WITNESS: I think he said Baja
13 California, I think, to me. I understood that as a
14 British person as being California, so apologies.

15 BY MR. MOLOO:

16 Q. I completely understand that a British
17 person may not be familiar with Latin American real
18 estate or terms or other things like that. Totally
19 understand.

20 Let's look at, so I think, in your view,
21 it's your position that--actually let's go to the
22 Mexico study since we're talking about it. Let's go

1 to C-434. 434.

2 And I can see the source of confusion here,
3 so this is the valuation of property in Mexico, and
4 you can see that on Page 3--it's by CBRE--and
5 Mr. Maugeri is one of the valuation experts who valued
6 this property. And since you've had a conversation
7 about this with Mr. Maugeri, I assume you know this is
8 an undeveloped piece of land?

9 A. I have to say I had a 10-second
10 conversation. I haven't read this Report. I know
11 very little about what's in this Report. This was a
12 conversation I very briefly had yesterday, but I'm
13 sure you will tell me what it's about.

14 Q. Well, let's go to Page 49. And it talks
15 about appraisal methodology. And if you look at the
16 last one, this is the appraisal methodology that's
17 ultimately adopted in here, it talks about the
18 Subdivision Development Method. Are you familiar with
19 that method?

20 A. I mean, I think that's a real estate
21 terminology, but I presume it means they've divided
22 the land into subdivisions.

1 Q. So, are you familiar with this approach--

2 A. Generally speaking but I would have to look
3 at how he's defined it precisely.

4 Q. Are you familiar with this approach to
5 valuation?

6 A. As I say, generally speaking, but I would
7 have to--I don't think it's a common term. I would
8 have to look at exactly what he's done here.

9 Q. Let's look at it. It says: "The
10 Subdivision Development Method is used to value land
11 when subdivision and development represent the highest
12 and best use of the appraiser's parcel. In this
13 method, an Appraiser determines the number and size of
14 lots that can be created from the appraised land
15 physically, legally, and economically. The value of
16 the underlying land is then estimated through a
17 discounted-cash-flow analysis with revenues based on
18 the achievable sale price on the finished product and
19 expenses based on all costs required to complete and
20 sell the finished product."

21 Have you ever done this Subdivision
22 Development Method before?

1 A. Yes. I have looked at this actually in
2 other cases.

3 You understand what's happening here; right?
4 The value--

5 Q. I understand what's happening. I'm just
6 asking you if you've used this approach to value other
7 assets before.

8 A. Yes.

9 Q. Okay. You have.

10 All right. Let's go to your Second Report.
11 And before we go to any particular paragraphs, my
12 understanding--tell me if I'm correct on this--is that
13 you believe that, in a perfectly competitive market,
14 the Cost and the Income Approach to calculating
15 damages converge; is that right?

16 A. Generally, that's right, yes.

17 Q. And so, in a perfectly competitive market,
18 the NPV of any particular investment is zero.

19 A. Tends towards zero, correct.

20 Q. "Tends toward zero." So, any investment in
21 a competitive market is zero.

22 A. In a perfectly competitive market, that's

1 right.

2 Q. And you've said that in this particular
3 situation, you were reassured in your valuation
4 because you felt that the Colombian market,
5 hospitality market, was a competitive market where the
6 NPV should tend towards zero; is that right?

7 A. Yes, as an industry, I think real estate and
8 hospitality is generally regarded as a competitive
9 industry. It's easy to enter. There is no particular
10 IP associated with the activities of those industries.
11 It's easy to buy land, it's easy to develop land.
12 It's easily available, so we would expect, as
13 economists, the Net Present Value of those types of
14 projects to tend towards zero.

15 Q. So, any hotel in the world, NPV should
16 be--should tend towards zero?

17 A. No, I didn't say that. I said as an
18 industry you would expect to see that. Of course,
19 there are examples in situations where you would--you
20 know, you would also expect to see out-performance.
21 Some hotels do better than the average, and in those
22 situations you would expect to see those hotels have

1 positive NPVs. Some hotels do worse and get negative
2 NPVs. But on average, because it's a competitive
3 industry, on average we would expect to see NPVs, you
4 know, around zero.

5 Q. All right. And I think at Page 38 of your
6 Second Report, you say at Paragraph 74, because of
7 that, there is therefore no reason to assume that the
8 Claimants' project would be able to generate excess
9 returns because you would expect the NPV to tend
10 towards zero because you think that the hospitality
11 industry is perfectly competitive, in Colombia is a
12 perfectly competitive market; is that right?

13 A. As an industry, yes, but I also do say that
14 I've seen no evidence why these particular projects
15 should be expected to generate excess returns. Right?
16 So, I haven't seen any evidence about why these
17 particular projects should be different from what one
18 would expect to see for that type of industry as a
19 whole.

20 So, that leads me to the conclusion I have
21 seen no evidence to suggest they should be higher than
22 zero.

1 Q. And have you done any research into the
2 competitiveness of the hospitality industry in
3 Colombia?

4 A. Oh, yes. Through this project. We've
5 looked at these appendices and tables that show the
6 number of hotel operators, or real estate developers,
7 operators in Colombia. That's all--that's the type of
8 evidence that one needs to look at to see, you know,
9 are there other operators in the market as a whole,
10 developing real estate, developing hotels, are there
11 other five star hotels in Colombia.

12 From what we've seen, from what I've seen,
13 there is a lot of different operators in that market.
14 By definition, that makes that market reasonably
15 competitive.

16 Q. Mr. Hern--Dr. Hern, you are an economist.
17 You understand when we're talking about competition,
18 we're talking about a competition analysis is not I
19 look at the market and see if there is more than one
20 player; right? When you're talking about a perfectly
21 competitive market, that is a term of art. That is an
22 economic assessment. Have you made that assessment,

1 whether or not it's a perfectly competitive market?

2 A. No, I haven't made the assessment. Did you
3 ask me whether it's perfectly competitive?

4 Q. Well that's when it tends toward zero;
5 right? That's what you said.

6 A. No. When it's perfectly competitive, that's
7 a hypothetical. Nothing is perfectly competitive;
8 right?

9 Q. Right. Right. That's right.

10 A. Perfectly competitive means everyone
11 produces the same product, and the price of the
12 product is absolutely the marginal cost of production.
13 I think you asked me is the industry competitive to
14 which my answer is yes, I think there is a lot of
15 evidence to show the industry in Colombia is
16 competitive because there's a lot of operators of both
17 hotel and real estate operations.

18 Q. Are you aware that Mr. Seda went to Colombia
19 because the market was far from saturated? That's in
20 his First Witness Statement.

21 A. I've read his Witness Statement, yes.

22 Q. And it's the position of the Respondent

1 that, in fact, he was entering into markets where
2 nobody else was there, and you would have no idea if
3 it was successful, so you think those are competitive
4 markets? Or perfect--or close to perfectly
5 competitive markets where NPVs would tend towards
6 zero?

7 A. As I say, I think in my Reports--I can take
8 you to the tables if you would like--but there is a
9 lot of operators of hotels, there's a lot of five star
10 supposedly luxury hotels in Colombia. There's a lot
11 of operators on real estate in Colombia.

12 But generally speaking, it's regarded to be
13 a competitive market because the barriers to entry to
14 do real estate, to construct infrastructure are
15 generally regarded to be relatively low.

16 Q. Are you aware that you agree that The
17 Charlee outperforms the market; correct? The Charlee
18 Hotel?

19 A. Not--not necessarily. It depends on how you
20 define "out-performance." But certainly in terms of
21 profitability, it looks to me to be broadly in line
22 with the profitability of luxury market, and I think

1 there is a slide that I present that shows that,
2 actually. So, on Slide 17 of my presentation, I show
3 out-performance should be measured in terms of
4 profitability, in my view. And if we look at
5 profitability of The Charlee Hotel--and this is over
6 2014 to 2016--the profitability is, you know, very
7 similar to the Colombian luxury market which is the
8 other five star hotels in Colombia and very similar to
9 other emerging markets.

10 So, I think any statement about
11 out-performance is, certainly in terms of
12 profitability, it doesn't appear to be particularly
13 strong.

14 Q. And you, I think, on Page 17, you accept
15 that from a room perspective, it does out-perform the
16 market; correct? I mean--Let's put a--let's put a--

17 A. No, no, that's not correct. That's not
18 correct. If you were to look at the room, the
19 profitability of rooms excluding F&B, you would have
20 to compare that to the profitability of the other
21 hotel operators excluding F&B. All this shows you
22 here is that the Colombian luxury market as a whole

1 has profitability around 20 percent. The F&B would
2 typically be lower, and the rooms would typically be
3 higher, so that's—that's an important distinction.

4 Q. Would you, so is your position that The
5 Charlee Hotel, the NPV is worth roughly zero?

6 A. I haven't done an NPV analysis of The
7 Charlee Hotel, but it looks to be in line with the
8 market as a whole.

9 Q. So, all of these hotels are worth roughly
10 zero, their Net Present Value?

11 A. Well—

12 Q. Is that your position?

13 A. The Net Present Value of the overall
14 investment is roughly zero. That doesn't mean that if
15 you sell the hotel today that you would get zero,
16 that's not what I'm saying. It's the overall
17 investment is zero.

18 Q. So, the overall NPV—if The Charlee Hotel was
19 expropriated, you would be sitting here saying the Net
20 Present Value is zero?

21 A. No, of course not, because The Charlee Hotel
22 has already been developed—right?—the costs have

1 already been spent.

2 Q. Right but it's in a competitive market.

3 A. Of course. So, the cash flows from The
4 Charlee Hotel in a competitive market would
5 expect--you would expect those cash flows to tend
6 towards what has been spent on the hotel, so the
7 valuation of the hotel because you have already done
8 the expenditure.

9 Q. I understand that.

10 A. The valuation of the hotel would then be the
11 expected cash flows generated by the hotel.

12 Q. So, the overall value based on the expenses,
13 et cetera, so why would anybody invest in a hotel if
14 the NPV--if you're not making--if the NPV is zero?

15 A. Well, I didn't say it was zero. I said, as
16 an industry, you would expect the returns to tend
17 towards competitive returns. Why would anyone invest?
18 Possibly because they think they have got something
19 better than the industry--right?--they think they've
20 got a better product than the industry.

21 But you know, also, by definition, you don't
22 need excess returns to do the Investment. You just

1 need a normal return. Right?

2 Q. So...

3 A. So, as an investor, I need my Cost of
4 Capital. Then I will make the Investment. That still
5 gives me a Net Present Value of zero because it's the
6 Cost of Capital that I need. You're talking about
7 should these hotels--

8 Q. I understand—I understand--

9 (Overlapping speakers.)

10 A. get excess returns—I think, you know, you
11 don't necessarily need that as an investor.

12 Q. Let's look at what you do rely on. You rely
13 on--you say that the historical cost approach is
14 frequently used in setting fair rates of return in the
15 context of economic regulation of natural monopolies.
16 That's one example that you use. We look at Hern 2,
17 Paragraph 81.

18 A. Yeah, absolutely, that's correct.

19 Q. And you say that historical costs in
20 Paragraph 82 are often used as the best available
21 proxy for replacement costs in a range of economic
22 contexts. Again, you rely on the example of the

1 economic regulation of natural monopolies; correct?

2 A. Yes, correct.

3 Q. And the particular study you rely on in
4 supporting the costs approach is the example of the
5 European electricity market, I think; correct?

6 A. Yes.

7 Q. And that Report is--this Report that you
8 cite at Footnote 66, RH-032, "Report on Regulatory
9 Frameworks for European Energy Networks."

10 We're not dealing with regulated natural
11 monopolies here, are we? The hospitality industry.

12 A. No, you're not. Correct.

13 Q. This Report doesn't talk about the real
14 estate industry at all; does it? It talks about the
15 electricity sector that's heavily regulated in Europe;
16 correct?

17 A. That's correct, yes.

18 Q. And by definition, a regulated market is not
19 a free market; correct?

20 A. But define, if you don't mind, what you mean
21 by a "free market."

22 Q. Well, you have one electricity provider to

1 everybody, so it's a natural monopoly, and so it needs
2 to be regulated and that's why you get the rates you
3 do; right? It's not the same thing as a free market
4 where rates are set by supply and demand?

5 A. No, no. That's—that's right. Obviously in a
6 regulated market you have conditions that are not
7 competitive, they're monopoly conditions typically,
8 but the point of the example is still, you know, a
9 very poignant one, because what do regulators do in
10 those circumstances where you have a monopoly? What
11 they do is they set returns that are equal to the Cost
12 of Capital.

13 Q. That's what regulators do? Right.

14 A. They give, therefore, the Investors a Net
15 Present Value of zero for those investments, and
16 that's the context that I'm referring to--because--

17 Q. Understood.

18 A. Those companies still make those
19 investments, the electricity companies, they still
20 make those investments, they're getting their returns
21 on the Cost of Capital. And I'm using that as an
22 example here to say what they're trying to do in

1 regulation is to set conditions akin to competitive
2 markets. I think we're dealing with a competitive
3 market here, and the returns should therefore also
4 tend towards the Cost of Capital here.

5 Q. So, that analogy works if we're dealing--the
6 assumption is that this reflects a perfectly
7 competitive market in Colombia, the hospitality
8 industry; correct?

9 A. If it reflects a broadly competitive market,
10 yes.

11 Q. Okay. Mr. President, I think this is an
12 appropriate time for a break.

13 PRESIDENT SACHS: I was just going to
14 suggest this, fine.

15 Let's say 10 minutes, 10:45? Is that ok?

16 MR. MOLOO: That works.

17 (Brief recess.)

18 PRESIDENT SACHS: So, we can resume.

19 Mr. Moloo, please proceed.

20 MR. MOLOO: Thank you, Mr. President.

21 BY MR. MOLOO:

22 Q. Dr. Hern, turning to some of the--little bit

1 of the echo maybe because that door is open.

2 Dr. Hern, turning to some of the inputs into
3 the DCF, you agree that the construction costs are, in
4 the BRG model are reasonable; correct?

5 A. Apologies. Generally speaking? That's the
6 question?

7 Q. Yes.

8 A. Because there are obviously many, many
9 thousands of construction cost assumptions.

10 I mean, based on the evidence that I've seen
11 from CBRE. I have no reason to think that they are
12 excessively different from what one would expect. But
13 there's still, I think, a lot of subjectivity into
14 what those numbers really are, but I see no real
15 evidence to dispute them, that's right.

16 Q. Now, in talking about the Meritage in
17 particular, you say that the occupancy rates are
18 higher than the market, and that to you is surprising;
19 correct?

20 A. Sorry, could you take me to my report where
21 I say this?

22 Q. If we go to Hern 2, Page 71. Hern 2,

1 Page 71.

2 A. Yes, correct, Figure 5.3, you can see the
3 projections in the BRG model on Meritage occupancy of
4 85 percent, and that looked surprising to me given the
5 evidence for Charlee Hotel which in Medellín and the
6 Colombian luxury market as a whole, both of them
7 showing lower occupancy rates.

8 Q. You agree that The Charlee Hotel
9 outperformed the market with respect to occupancy;
10 correct?

11 A. Over this period, that's what the evidence
12 shows, yes.

13 Q. And did you take into account that the
14 Meritage had a number of apartasuites, which are
15 long-term rentals which is less susceptible to
16 fluctuation and occupancy? Did you take that into
17 account in your assessment?

18 A. Well—ye, yes, I mean in a sense, yes, but I
19 have seen no evidence Corrected by the Respondent,
20 Claimants to agree. the occupancy rate for apart
21 hotels should be 85 percent so it's still surprising
22 to me that that occupancy rate forecast is the—is the,

1 you know, is the most reasonable forecast.

2 Q. In your Second Report, you conducted a
3 corrected DCF valuation, I believe, and you offered an
4 alternative WACC calculation. And in coming up with
5 your WACC calculation--and it's at RH-035, which is a
6 spreadsheet, so I will put it up on the screen for
7 you. If we go to Cell H-29.

8 You specified that, for the low scenario,
9 the asset's beta source is average of unlevered and
10 total unlevered beta estimates by Professor Damodaran
11 for emerging markets, hotel gaming and real estate
12 development industry; correct?

13 A. Yes.

14 Q. And if we go to H-25 for the debt:equity
15 ratio, your source is again an estimate from Professor
16 Damodaran's "Emerging Markets, Hotel/Gaming and Real
17 Estate (Development) Industry"; correct?

18 A. Correct.

19 Q. So, the dataset for both of these metrics
20 includes gaming sector investments; correct?

21 A. That's how the data is cut, yes.

22 Q. And you criticize JLL's hotel comparator set

1 for originally including hotels with gaming segments;
2 correct?

3 A. I did, yes.

4 Q. But you've not extracted the gaming
5 businesses from your own analysis of WACC; correct?

6 A. The criticisms are different. I mean, here
7 it's--the WACC calculation is attempting to get a
8 measure of a risk, generally speaking.

9 Q. And so you say--

10 A. And that's the way the data is cut in that
11 dataset. This is the best data I've got for
12 calculating a WACC, in my view. The data is not cut
13 in any more detail.

14 But I think when you're looking at
15 comparator data for benchmarking of occupancy rates
16 and margins, there is data that exists that allows you
17 to cut the data in a better way because you can just
18 simply look at comparators that are only focused on
19 hotels or real estate, not gaming comparators. So it
20 was really just a drawback of the way this particular
21 data was cut on Cost of Capital. That was--that was
22 the issue here.

1 Q. Right.

2 So, in assessing risk, you've included risk
3 in the gaming industry in your WACC calculations;
4 correct?

5 A. Implicitly, yes.

6 Q. You also calculate the average EBITDA
7 margins for real estate developers at around
8 16 percent, and this is how you select Colombia's real
9 estate comparators. You--you've--I think seeing--if
10 we go to Hern 2, Paragraph 285, which is at Page 126,
11 I think, I can show you what I'm talking about.

12 So, in establishing comparators for the
13 purposes of real estate developer EBITDA margins, you
14 first downloaded the "Superintendencia's annual 1,000
15 largest companies by revenue" report, and then you
16 selected companies classified as operating in real
17 estate or activities with owned or leased properties
18 or construction of residential buildings. Then you
19 calculated each of the building's total revenue for
20 the period of 2015 to 2019, and so on and so forth;
21 correct?

22 A. Correct. Yes.

1 Q. And I suspect you've seen JLL's presentation
2 of this issue that these developers' portfolios
3 consisted of anywhere from 35 to 90 percent social
4 housing; correct? Have you seen that presentation?

5 A. Yes, I did. I did see that, yes.

6 Q. And social housing margins are much smaller
7 than those for luxury hotels; correct? Or luxury
8 housing--

9 A. No, not--I didn't see any evidence in that
10 report to show that, which I'm happy if you want to
11 take me to that.

12 Q. So you think the social housing market is
13 comparable to the projects that we're valuing here?

14 A. Well, I didn't say that, exactly, but I
15 think you said that social housing would have lower
16 margins than luxury hotels, and I haven't seen--I
17 haven't seen any evidence in the JLL report to show
18 that, with respect to that.

19 (Overlapping speakers.)

20 Q. Well, this is--but you're relying on it, so
21 have you presented any evidence to suggest that this
22 is a valid comparator?

1 A. Well--

2 Q. You think--my question is--

3 A. Yeah.

4 Q. --EBITDA margins, you think you can rely on
5 EBITDA margins of social housing projects and compare
6 that to the types of projects we're looking at here.

7 A. Actually, if you look at the JLL data--and
8 I'm happy to go to that if you've got the exhibit--but
9 the JLL data has cut these companies into the
10 proportions that they--supposedly undertaken to
11 private-sector investments and the proportions into
12 social investments, and actually there is no real
13 trend.

14 I mean, if your--if the assumption is right
15 that private-sector investments have a higher return,
16 then we would expect to see these operators that do
17 more of their activities into the private-sector
18 market having higher returns. And I'm happy to take
19 you to their report--

20 (Overlapping speakers.)

21 Q. Well, let's go to--

22 A. But we don't see that, I think.

1 Q. Well, I'll show you the slide that I'm
2 talking about, Slide 40 of the JLL presentation from
3 yesterday.

4 (Pause.)

5 MR. MOLOO: No, their presentation from
6 yesterday, if you have it.

7 That's fine. If we can't put it up, that's
8 fine.

9 BY MR. MOLOO:

10 Q. I think you also used a sample of real
11 estate developers from emerging markets sourced from
12 Professor Damodaran's database; is that correct?

13 A. Yes, I do.

14 Q. And were you aware that, in the underlying
15 dataset, only 9 out of the 776 companies are from
16 Latin America?

17 A. Yes, I was aware of that, yes.

18 Q. And did you know that the sample includes
19 businesses with diversified portfolios, not just in
20 real estate?

21 A. Yes.

22 Q. So, if we go to BRG-150, for example, which

1 is an Excel spreadsheet, so it will come up on the
2 screen in a minute. And if we go to Row 426, this is
3 an example of ACME Holdings.

4 And if we go to the description on the
5 right-hand side.

6 So, if you can read it there, it says: "An
7 investment Holding Company engages in the housing and
8 property development business in Malaysia, Brunei,
9 Singapore and internationally. It operates through
10 manufacturing property development, and other
11 segments. The company also manufactures and sells
12 various plastic wear products."

13 Scroll over a little bit more.

14 "The Company was formally known as
15 Supportive International Holdings," and I think you
16 can see it's plastic wear products and it's cut off,
17 but I think it's kitchenware and toys.

18 And if you go up a couple--if you just go up
19 one actually to the Brown company, it's a real estate
20 business in the Philippines, engages in agriculture,
21 power and utilities, holding segments.

22 If you look at 429 on this page, it's

1 business, real estate and construction in India. It
2 also operates cold-storage facilities that provide
3 storing, trading, dealing in the distribution of
4 vegetables, fruits, et cetera. So, this is your
5 comparator database for EBITDA--correct?--assessment.

6 A. Well, I mean, look, this is a database
7 that's put forward by Damodaran, who I thought--

8 (Overlapping speakers.)

9 Q. But you've chosen to use it for this
10 purpose.

11 My question is--I'm not asking if Damodaran
12 is an expert--we share an alma mater--but my question
13 is your use of this particular database to tell us
14 that it's relevant to assess EBITDA margins in the
15 real estate industry.

16 A. Yes, and--

17 Q. Which is what you've used; right?

18 (Overlapping speakers.)

19 A. Yes, Damodaran is an expert in putting data
20 together. First of all, he's widely sourced for this
21 type of comparator dataset. This is a dataset that
22 he's published as real estate developers. Of course,

1 you know--

2 (Overlapping speakers.)

3 Q. Of companies that do real estate business--

4 A. Yes.

5 Q. --as part of many other things.

6 A. Of course, of course. We don't have--we're
7 not living in a perfect world where we have thousands
8 of companies that only do real estate in Colombia,
9 exactly what this developer is doing. We have to look
10 at what data exists to help us. And the reality is,
11 of course, some of these--some of these companies that
12 he's included in his dataset, of course, do some
13 percentage of activities in other things. That's the
14 real world; right?

15 But he's--but when they put--when he puts
16 this dataset together, there are normally clear
17 criteria around which a particular company would be
18 judged to be a real estate developer such as you have
19 more than 50 percent of profits from real estate. And
20 what it means is that you've got a database of, you
21 know, companies that-

22 (Overlapping speakers.)

1 Q. (Unclear.)

2 A. --and a majority do real estate development.
3 Of course the data is a bit mixed because they do some
4 other things. Some might be more risky, some might be
5 less risky, but you've got a dataset that you can
6 benchmark.

7 And I'm sorry, but BRG didn't do this; I did
8 this, and, to me, it's a benchmark that has to be
9 relevant for a projected EBITDA margin, even if it's
10 not perfect, and no one is saying it's perfect, but it
11 has to still be relevant.

12 Q. And BRG--you're right--did not look at
13 EBITDA multiples. They look at the actual costs, et
14 cetera, and sales and the actual data that's in the
15 Business Plans as opposed to looking at EBITDA
16 multiples as you have; correct?

17 A. That's right. They take a business plan and
18 they assume that that's reasonable. I take their
19 business plan and I crosscheck the business plan
20 margins against margins for other real estate
21 developers in Colombia. Again that data is not
22 perfect. Some of them do social housing, too, but it

1 has to be a relevant crosscheck even if the data is
2 not relevant--not perfect. I crosscheck it against
3 emerging markets, classified it as real estate
4 developers. Again, there has to be a relevant
5 crosscheck.

6 Q. And BRG compares their valuation to JLL's
7 data of the Colombian real estate market specifically,
8 instead of taking this approach. That's what BRG
9 does; correct?

10 A. I can't recall, actually. You have to take
11 me to that.

12 Q. Well, that's fine if you can't recall.

13 A. But I--just to be clear. I take the
14 Colombian real estate markets in Table E-1 so that--I
15 take the Colombian real estate markets. I don't
16 recall that JLL did that.

17 Q. You say that Luxé hotel is only 45 percent
18 constructed in your First Report. Do you correct that
19 or do you stand by that?

20 A. Can you take me to the paragraph?

21 Q. In your First Report, Paragraph 18(B).

22 A. Yeah, I think there's evidence subsequently

1 on the record that suggests it's higher than that, but
2 I can't recall the precise number. I think maybe--I'm
3 sure you'll tell me.

4 Q. It's about 72 percent.

5 A. Yeah.

6 Q. Do you accept that?

7 A. Yes.

8 Q. Now, you say that the Luxé hotel ADRs, the
9 average daily rates, were higher than the Colombian
10 luxury market. We saw that graph earlier. And you
11 criticized the Luxé ADRs on this basis; is that
12 correct?

13 A. Sorry, can you just take me to the--to where
14 we--where I say that? Lots of--

15 (Overlapping speakers.)

16 Q. Sure, page 70 of Hern 2.

17 A. Page 70.

18 Yes. You can see in Figure 5.2 that the
19 projections for the ADR for the Luxé are 709, which is
20 quite a bit higher than the ADRs for the Colombian
21 luxury market as a whole.

22 Q. And you don't take into account the room

1 rates for the cabañas; right? You were instructed not
2 to consider the revenues from the cabañas; correct?

3 A. Sorry, in the calculation of the ADRs?

4 Q. Yes.

5 A. I think that's right because the cabañas are
6 already built, correct.

7 Q. But the cabañas, you accept, would achieve a
8 higher ADR than a regular hotel room; correct?

9 A. No, I don't--I don't know that, that that's
10 the case, no.

11 Q. In fact, they would achieve an ADR of about
12 2.6 times the ADR of a regular room. Would you think
13 that's about reasonable?

14 A. Can you show me where that number comes
15 from?

16 Q. It's comes from BRG 2 at Paragraph 134.

17 Based on the operations model, the Luxé
18 includes a conversion factor of 2.6 to account for the
19 difference in size and value of the cabañas.

20 A. Well, as I think we established, I don't
21 take that into account; but, from what you just said,
22 that's what in the Business Plan model, so I have no

1 reason to think that that's the right assumption
2 anyway, but I haven't done analysis to tell me what
3 that assumption should be.

4 Q. Well, let's go to C-265.

5 So, these are some pictures of the cabañas.

6 Go down. These are actually constructed.

7 So, would you consider that's a picture of
8 one? Would you consider that to be--to get a higher
9 room rate than a normal hotel in Colombia?

10 A. I mean--I mean, I--you know, I'm not in a
11 position to make that judgment. It will depend on
12 what room rate you were--what type of room you were
13 comparing to, how close the cabañas were to other
14 amenities at the hotel. You know, honestly, I can't
15 make a judgment on whether that's higher or lower than
16 something hypothetical.

17 Q. Okay. Now, you say that the hotel
18 comparators used by BRG are not comparable when
19 they're doing the comparable market analysis; correct?

20 A. Yes. I think that's right. Can you take me
21 to the paragraph where--where I say that?

22 Q. Sure.

1 Hern 2—I thought this, you would recall
2 this, but Page 44 to 46 of Hern 2.

3 A. You have to appreciate sir, there's many
4 developments here over many stages of developments and
5 many (unclear), I've tried to--

6 Q. It's a--it's a--I don't deny that this is a
7 complex business.

8 (Overlapping speakers.)

9 Q. I know you mentioned it, and you are right
10 that this is a complex real estate development
11 business. But the job here is still to value that
12 business. And you say that the hotel comparators used
13 by BRG are not comparable; correct?

14 A. Which paragraph? Are you referring to
15 Paragraph 90 here?

16 Q. I think you covered over the course--I mean
17 it's the heading: "BRG's hotel comparators are not
18 comparable to the Claimants' hotels in any case."
19 That's the sentence.

20 A. Yeah, but the details of your question are
21 important because what--here we're talking about what
22 BRG do in undertaking what they call a market cross-

1 check.

2 Q. Just confirm your heading. I'm asking you
3 if this is--do you confirm that BRG--this is your
4 view.

5 A. Yes, of course I confirmed that that
6 heading is accurate but I--

7 (Overlapping speakers.)

8 Q. If we can, just wait for the question, and
9 then you will have an opportunity, I promise you. And
10 if you are not, you can tell me that there's further
11 clarification or, of course, counsel for Respondent
12 can seek clarification.

13 And you understand that BRG relied on JLL
14 for hotel data; correct?

15 A. Correct.

16 Q. And JLL in turn, relied on a particular
17 industry database; correct?

18 A. That's my understanding, yes.

19 Q. And you accept, of course, that JLL is a
20 expert in the hospitality industry; correct?

21 A. As a company, yes.

22 Q. So, you looked at room rates for what you

1 thought are comparator hotels--sorry, the comparator
2 hotels identified by JLL, and I think that's on
3 Page 90 of Hern-1. Table 6.2; right?

4 A. Yes.

5 Q. And this is what you--these are the--you
6 look at these hotels that are in the JLL comparator
7 database, and to assess whether or not they're
8 actually comparators, you looked at nightly rates for
9 one weekday and one weekend night in the year;
10 correct?

11 A. I picked one--one--it was--obviously, I had
12 to pick one date, and I picked one weekday and one
13 weekend, yes.

14 Q. Well, it's not obvious that you had to pick
15 one date, but we can differ on that.

16 And so, you went--you did this on
17 October 28th, 2020, and you went to Booking.com; is
18 that right?

19 A. Yes.

20 Q. I also use that website.

21 And you forecast out, you put in the date
22 June 16th. Why did you pick June 16th, just out of

1 curiosity? Did you try other dates or you just, you
2 know, you thought June 16 is a nice date, let's pick
3 that date?

4 A. Pretty much. I picked a date sig--you know,
5 well in advance of the day that I was doing the work
6 so that the future date wasn't distorted by, you know,
7 capacity, last minute deals, capacity constraints at
8 the time that I was looking at. So, it wouldn't have
9 been appropriate, for example, to look next week, so I
10 picked a date, you know, in advance that I thought
11 was, you know, normalized for any of those in a
12 particular--particular booking issues.

13 Q. Right. So, you didn't look at dates over
14 the year, averages, you just--okay. So, you picked
15 June 16, one weekday of the year, and then you looked
16 up the hotel rates on Booking.com for those hotels,
17 and you compared those, and that's what you've
18 presented in the table; correct?

19 A. Correct.

20 Q. And you say that that's representative of
21 the rates of those hotels for all weeknights of the
22 years? That's your position?

1 A. Not necessarily, but it was certainly the,
2 you know, representative of the rates that were
3 available in the period that I looked at. It would
4 have been a--you know, an extremely data intensive
5 exercise. You know, I'm sure, as you've used
6 Booking.com. You have to put in the date that you're
7 trying to book for and get a quote for that date--

8 (Overlapping speakers.)

9 Q. Yes, if you're using Booking.com, it would
10 be.

11 A. Exactly. I didn't, you know, I didn't have
12 the time to put in every single date and then average
13 all the data, so the--but it seemed to be
14 representative of the differences in prices charged
15 across--a reasonable representation of the differences
16 in prices charged by the different hotels.

17 Q. And you didn't have access to the database
18 that JLL--you know, JLL's proprietary database; right?

19 A. Correct.

20 Q. So, we'll look at what Booking.com says.

21 You compared the nightly rates, and you get
22 this table. Did you consider the school year

1 calendar, for example, in Mexico as compared to
2 Colombia? They have different school year calendars.

3 A. Not--not--not specifically, but there's a,
4 you know, there's a weekend night and there's a
5 weekday night. They don't look very different between
6 the two, so it wasn't that obvious that they were
7 differentiating based on the particular time at that
8 point.

9 Q. On that day, right. You're aware that the
10 public school calendar year in Colombia, for example,
11 is January to November, as opposed to Mexico it's
12 mid-August to July, so, you know--

13 A. Right. I mean, of course you can have--
14 (Overlapping speakers.)

15 Q. Vacation dates might be different and things
16 like that; right?

17 A. Of course. This could change of course a
18 little bit as a result of seasonal factors, yes.

19 Q. Right.

20 And then, on the next page, Page 91, you
21 went to Booking.com as well. And I assume you just
22 fill--you know, I think Booking.com has that five-star

1 filter. Is that the filter you used to identify these
2 hotels?

3 A. I think that's right. I can't recall
4 exactly how I--how we put it, but I think that's
5 right.

6 Q. Okay. So, you used the five-star--let's
7 assume you used the five-star filter on Booking.com,
8 and these are the hotels that showed up as five-star
9 hotels in Medellín; is that right?

10 A. Yes.

11 Q. Have you been to any of these hotels? Have
12 you been to the Sites Hotel, for example, at the
13 bottom. The one that is \$69 a night?

14 A. No.

15 Q. Have you been to The Charlee Hotel?

16 A. No.

17 Q. Have you been to Colombia?

18 A. No.

19 Q. And then, you say this is a better
20 comparator set rather than the comparator set that JLL
21 used. Is that your--based on your review of the
22 Booking.com rates for June 16, 2021, and June 19,

1 2021?

2 A. That is my view, yes. I think that the JLL
3 dataset you can see here, consists of very strong
4 branded hotels: The Four Seasons, the Ritz-Carlton,
5 the Hilton, the Sheraton, the Fairmont. Everybody
6 knows that those are super strong hotel brands. The
7 rates that are being charged are, you know,
8 astronomically high in some cases. It's my view that
9 this is not a good dataset to benchmark hotels that
10 are not even constructed, but it's also my view that
11 when I crosschecked that dataset against the dataset
12 in Colombia, you can see that The Charlee Hotel, the
13 number--the room rates at The Charlee Hotel, you know,
14 are pretty much in the middle of the range of room
15 rates for other Colombian hotels. Very different from
16 the JLL dataset.

17 So, it is my view that the data--that the
18 Colombian market is the better market.

19 Q. Because you would say they're in different
20 class? Is that what you're saying? These hotels--

21 A. Well, implicitly, but they're in a different
22 country; right? They're in a--they're in a--they have

1 a different brand. So, you know, Costa Rica,
2 Barbados, you know, these are international tourism
3 markets.

4 Q. And you're a hospitality expert.

5 A. Well, I've been to some--not--no, but I've
6 been to some. And I think you would agree that these
7 are some of the, you know, the strongest hotel names
8 in the market, located in some of the most desirable
9 countries in the world for holidays, like Barbados.
10 But that just doesn't seem to be the right dataset to
11 be benchmarking against Colombian hotels when you've
12 got Colombian hotel data that tells you what that
13 market is pricing at.

14 Q. But in your view, comparing data from social
15 housing construction projects is fine; right? You can
16 compare it against social housing projects though;
17 right?

18 A. No. I'm sorry, but you're misrepresenting
19 that. The social housing developers--you're talking
20 about real estate now. That's not--nothing to do with
21 hotels.

22 Q. No, I'm just trying to assess how you

1 determine comparators.

2 A. Again, I focus on Colombia because that's
3 the market that we're foc--that we're dealing with,
4 and I think anybody that does this type of exercise in
5 valuation that I've seen, starts the comparator set by
6 looking at other operators in that geographical market
7 in Colombia, and that's what I do, both for hotels and
8 real estate.

9 Yeah, it's not perfect. Some of these
10 hotels and real estate operators do other things,
11 maybe it's not a perfect comparison, but in my view,
12 it must be a better starting point than going to an
13 international dataset of branded hotels that are very
14 different from what we're looking at here.

15 Q. And what we're looking at here is something
16 that you've never actually looked at because you've
17 never been to Colombia?

18 A. Well, with respect, sir. What we're looking
19 at here is hotels that are not yet constructed. So,
20 even if I had been to Colombia--I've spent quite a bit
21 of time in South America in Ecuador and other places,
22 so I know that--I know the--the geography pretty well,

1 but these hotels that we're talking about here are not
2 even constructed.

3 So, if I had been to Colombia, I wouldn't be
4 in a better place to say, you know, whether--I
5 wouldn't be in a very good place to appraise them
6 anyway because they're not constructed.

7 Q. Yeah, that's not what we're talking about.
8 We're talking about comparators but let's move on.

9 Mr. Hern, you've also looked at implied
10 value of stock sales and you've looked at two
11 particular transactions at Paragraph 108 of Hern 2;
12 correct?

13 A. Yes.

14 Q. And these were the only two transactions
15 that you were given data for; is that correct?

16 A. Well, that's been supplemented by the slide
17 that I presented today.

18 Q. Right. And you--

19 (Overlapping speakers.)

20 A. The presentation where I've found more data
21 on transactions, but yes, this--at the time of writing
22 this Second Report--

1 Q. That's what you had been given.

2 A. I looked at data from the Royal Realty
3 accounts that gave me prices for transactions, yes.

4 Q. And you supplemented this Report today, it's
5 for the first time we're seeing that information, too,
6 because you were not given data about other
7 transactions before yesterday; correct?

8 A. Yes. We asked--I asked for data on all
9 transactions into these project companies over the
10 period since they've existed, and I wasn't given that
11 data. I had to find it for myself in the Royal Realty
12 accounts, but that still didn't give me the precise
13 Transaction Data, actually.

14 Q. So, let's go to the two that you were given.
15 Let's go to RHO-033.

16 So, this is one of the implied value of
17 stock sales that you have used, and it's an unsigned
18 letter to Roger Khafif, dealing with a capital call;
19 correct?

20 Are you aware of whether or not this capital
21 call even actually happened?

22 A. This is--so, this is the Meritage Purchase

1 Option; that's right?

2 Q. Yes.

3 A. Yep.

4 So, that's right. So, I'm not aware of
5 whether this happened or not. I'm aware the Mr. Seda,
6 subsequent to my Second Report, has put another
7 Witness Statement on record, his third Witness
8 Statement, I think that says this didn't happen. I
9 haven't been able to establish whether it did or
10 didn't. The evidence that he referred to didn't
11 clearly tell me that it didn't happen.

12 Q. All right. And the next agreement that you
13 reference is--you looked at the Financial Statements,
14 and you say that they referred to two transactions of
15 Luxé Shares in 2015. And you've also seen Mr. Seda's
16 explanation of this, that this was not an arm's-length
17 transaction, it was him restructuring his
18 shareholding; correct?

19 A. I've seen his Witness Statement that says
20 that, but it's actually not obvious, it's not clear to
21 me that he has provided data that clearly shows that.

22 Q. Right. I'm not asking whether you believe

1 him or not. I'm just asking, you know, that you
2 understand now that Mr. Test--Mr. Seda's testimony is
3 that that was not an arm's-length transaction;
4 correct?

5 A. I understand that's what he says.

6 Q. And aside from those two, you were not
7 provided any other information about other
8 transactions until yesterday, and based on that
9 analysis, I think if we look at Page 14 of your slide
10 deck, you say--if you look at that, so you've gone
11 from 26 times higher than applied valuation to
12 November 27, 2015, of a four-times increase in
13 valuation. And you haven't looked at whether or not
14 there are other transactions that are more recent than
15 November 2015? You haven't been provided about
16 information on that; right?

17 A. Correct. I haven't been provided with any
18 further information on transactions.

19 Q. All right. Let's talk about lost fees.
20 Royal Realty had a right to fees for
21 managing the Projects; correct?

22 A. That's my understanding, yes.

1 Q. And you say that the calculations of lost
2 fees should also account for costs that Royal Realty
3 would have incurred; is that right?

4 A. Yes.

5 Q. Now, let's go to BRG-048. And if we go to
6 Page 3--6--right?--if we go to the next page,
7 Page 6--oh, no--that's the one, yeah.

8 At bottom, you see the managing member
9 intends to contact Royal Realty S.A.S. for one or more
10 of its affiliate companies in order to execute the
11 Project and make the decision to do so without the
12 approval of the Shareholders. And then, it talks
13 about on the next page, a number of different things
14 for which it might engage others--sales, project
15 development, management, general construction,
16 wellness center, rentals, et cetera.

17 Do you see that?

18 A. Yes.

19 Q. And then, if you go to 3.08, which is on
20 Page 10, it says: "Each member acknowledges it has
21 been advised in the Deal Memo provided to Shareholders
22 that the Company Agreement for Project Owner provides

1 for the payment of various fees and reimbursement of
2 expenses to the Managing Member and its affiliates for
3 services provided."

4 Do you see that?

5 A. Yes.

6 Q. And then, midway through, it says: "In
7 addition, Royal Realty has contracted their real
8 estate sales and brokerage services for the project
9 sales at 4 percent, sold directly by those
10 individuals, plus the individual sales, agent salaries
11 who will primarily reside on-site or affiliate sale
12 sites designated for the sale of the Project, and the
13 4 percent sales commission includes all commissions
14 including for external brokers."

15 Do you see that?

16 A. Yes.

17 Q. And then, the last sentence says. Oh,
18 sorry, the next sentence I should say: "Each of the
19 Shareholders consents to the payment of such fees and
20 reimbursement of expenses and acknowledges that the
21 Shareholders shall not be entitled to any portion of
22 such fees and reimbursed expenses." And then, the

1 last sentence says: "The Shareholders also
2 acknowledge the possibility of additional fees paid to
3 Royal Realty or its affiliate companies in accordance
4 with Section 3.03."

5 So, you can see that all of the fees and
6 costs were going to be reimbursed.

7 Do you see that?

8 A. All of the fees and costs associated with
9 what, though? Right? It doesn't clearly say that all
10 of the fees--sorry, all of the costs associated with
11 Royal Realty would be reimbursed. It's a fairly
12 general description of reimbursed expenses. That
13 doesn't--to me, that doesn't mean all costs associated
14 with Royal Realty.

15 Q. And you can see it's a pretty exhaustive
16 list of 3.03, sales, project management, project
17 development and management, general construction, the
18 wellness center, rentals.

19 And then if you look at (f), it says: "Any
20 other goods or services that any of the managing
21 member's affiliates and/or subsidiary now in existence
22 or incorporated in the future may provide to the

1 Company while carrying out the primary business of the
2 Company as described in the Deal Memo." Pretty much
3 everything; isn't it?

4 A. Sorry, can you take me up to--that's (f) of?
5 Can you take me to--

6 Q. 3.03. The relevant sentence is actually
7 3.08, the last sentence. It says: "The Shareholder
8 also acknowledges the possibility of additional fees
9 paid to Royal Realty or its affiliate companies in
10 accordance with Section 3.03." 3.03 is what--so that's
11 the relevant provision. But I do understand you're
12 not a lawyer, so it's okay--

13 A. That's right. This is a legal document, but
14 as an economist, what I'm asked to look at here is
15 what damages has Royal Realty suffered from not doing
16 these services?

17 Q. Right.

18 A. It seems to me BRG has taken account of the
19 revenues that it wouldn't get, potentially, from doing
20 these services, but has ignored--

21 Q. The costs?

22 A. --the potential costs associated with doing

1 those services. This agreement refers to reimbursed
2 expenses. But expenses are often very different from
3 the Operating Costs of running the business.

4 Q. Right. So, that's your--your position is
5 that there might be additional costs that are not
6 accounted for in this Agreement that are not taken
7 into account. That's your position?

8 A. Correct, yes.

9 Q. Okay. Understood.

10 Now, you say you have not seen any evidence
11 that Claimants' ability to provide hotel and real
12 estate operations has been impacted due to the
13 Measures; is that right?

14 A. Sorry, can you take me to the paragraph
15 where I say this?

16 Q. Paragraph 77 of Hern 2.

17 A. Yes.

18 So, you're talking here about the Royal
19 Realty services, yes.

20 Q. Actually, let's go to Paragraph 220--well,
21 let's start at 119, actually.

22 MS. BANIFATEMI: I do not mean to interrupt,

1 Mr. Moloo. I just--I'm noting that we are now at one
2 hour-and-a-half, and with the flexibility allowed by
3 the Tribunal, I just wanted to know whether there is
4 still a lot more to go?

5 MR. MOLOO: I think I have probably about 15
6 minutes to go.

7 MS. BANIFATEMI: But that would be way
8 beyond your time.

9 PRESIDENT SACHS: Try to shorten it, please.

10 MR. MOLOO: Okay. This is my last line.

11 PRESIDENT SACHS: Okay.

12 BY MR. MOLOO:

13 Q. I think your general position, 119, for
14 example, it says (reading) I understand that Claimants
15 argue that they were unable to develop the other
16 projects. This argument doesn't make any sense. And
17 you talk about the fact that you don't think that they
18 were prevented from being able to develop the other
19 projects; is that right? That's your general
20 position?

21 A. Well, as a matter of economic logic, if the
22 other projects had, you know, such a significant

1 positive Net Present Value, than the loss associated
2 with those projects is not clear because either they
3 continue to operate those projects--

4 Q. I know your position--

5 A. --or they could sell the Projects to another
6 investor, so that's essentially my position. I
7 haven't--I haven't been able to establish that either
8 of those two possibilities is not an option for them.

9 Q. And you're aware that this entire case is
10 about doing business with someone who might be tainted
11 and not being able to buy a property from them;
12 correct?

13 A. Well, I'm aware that that's the Claimants'
14 case, yes.

15 Q. And, well actually I think that's
16 Respondent's case, but you're aware of the implication
17 and the reputational impact of being tainted with an
18 Asset Forfeiture Proceeding, I assume?

19 A. Yes.

20 Well, broadly speaking, yes, but I'm not--I
21 don't know the specifics of exactly what--how every
22 investor could potentially concerns themselves with

1 that.

2 Q. And that you have to know your client when
3 you're doing business with someone else; correct?

4 A. Well, I mean, not necessarily.

5 Q. Okay. You're saying that, in a real estate
6 transaction, you wouldn't necessarily do a "know your
7 client" analysis on your--on your counter-party?

8 A. What do you mean by that precisely?

9 Q. Would you Google-search them?

10 A. Are you talking about the sale of assets to
11 another person?

12 Q. Yeah.

13 A. So--well, I'm sure you--of course, you would
14 do due diligence on the assets, yes, and the person.

15 Q. What about on the counter-party?

16 A. Sure, yes. I would expect you to do that,
17 yes.

18 Q. And so, if you were looking up your
19 counter-party, would you expect for Royal Property
20 Group--let's go to C-42, for example, if you looked up
21 Royal Property Group--it's in your binder, if we're
22 having trouble pulling it up, you can get it in your

1 binder, C-42. Go to the next page. Page 9 and 10.

2 You can see that it says: "According to the
3 investigation, that Lot, worth more than
4 COP 60,000 million and located in one of the most
5 valued sectors of the metroCorrected by the
6 Respondent, Claimants to agree. politan area, would
7 really belong to a capital of the dreaded Envigado
8 Office, which a decade ago tried to sneak into
9 demobilization of self-defense groups." That's what
10 the press is reporting about the Meritage Project.
11 And if you look on the next page, it talks about "El
12 Tiempo communicated this Wednesday with the sales room
13 of the luxury project and was sent to the sales
14 management of Royal Property Group Colombia, which
15 sells the condominium."

16 So, if this is the kind of news that you're
17 getting, you might be hesitant to do business with
18 that counter-party; would that be fair?

19 A. I can't put myself in the shoes of every
20 investor, but the news reports that you just referred
21 to, appear to be quite specific about the Meritage
22 land and property; right? Whereas the paragraph that

1 you took me to in my Report is concerned with the
2 other projects, how investors would look at the Luxé
3 project or the Tierra Bomba project or the 450
4 project. And obviously, those are very different
5 projects.

6 So, I would expect--and again, you're
7 perhaps asking me a question that's a little bit
8 outside my scope of what would an investor do, but I
9 would expect the Investor for those types of projects
10 to be looking at the specifics of those projects.

11 Q. The Royal Property Group is the one that's
12 developing all of these projects; correct? The one
13 that's named in this Article.

14 A. That's my understanding, yes.

15 Q. And you're aware that with the Luxé Project,
16 Colpatria informed them that they would no longer
17 continue to finance development of the Project after
18 the--after this Asset Forfeiture Proceeding with
19 respect to the Meritage Project. You're aware of
20 that; correct?

21 A. I'm aware that that's what the Claimants
22 say.

1 Q. And you're aware that there were investors
2 like Paladin that said we can't move forward with our
3 investment in the Meritage Project until the--sorry,
4 in the Luxé Project until the Meritage issue is
5 resolved. You're aware of that?

6 A. Again, I'm aware that that's what the
7 Claimants say, but I haven't--

8 Q. You haven't seen the evidence--
9 (Overlapping speakers.)

10 A. I haven't--

11 Q. You weren't shown the evidence?

12 A. I haven't looked at the evidence behind
13 those.

14 Q. Okay, so, you weren't shown, for example,
15 C-379 which is the--

16 MS. BANIFATEMI: I'm sorry, I think the
17 Court Reporter did not get the previous exchange.

18 BY MR. MOLOO:

19 Q. You haven't been shown the evidence that
20 underlies those statements by the Claimants?

21 A. Correct. Not to say whether those
22 statements--not the evidence for me to say whether

1 those statements are true or not.

2 Q. Okay. And with respect to Tierra Bomba,
3 have you seen the Cancellation Agreements with respect
4 to the Purchase Contract and the reason given for why
5 they were going to cancel that project? Have you seen
6 those underlying documents?

7 A. Can you refer to what documents you're--

8 Q. For example, C-186. We can put it up, and
9 you can tell me if you've seen it or not.

10 Do you recall seeing this Agreement? There
11 are several others like it, but I won't take you to
12 them all.

13 A. I can't recall, honestly, whether I have
14 seen that particular agreement.

15 Q. Have you seen statements from Government
16 representatives acknowledging that Mr. Seda, his
17 reputation, had been impacted and it would be
18 difficult for him to borrow money, for example?

19 A. Again, can you take me to the statements
20 you're referring to?

21 Q. Yeah.

22 Let's go to C-322. Page 10.

1 A. I have not seen this document.

2 Q. Okay. You haven't seen the exchanges with
3 the government officials where Mr. Seda says every
4 financial institution thinks we are criminals, and the
5 Head of the Asset Forfeiture Unit says, yes, of
6 course, of course. Those kinds of exchanges? You're
7 not aware of that?

8 A. I haven't seen this document.

9 Q. Did you ask for evidence of the impact on
10 the other projects?

11 A. Yes.

12 Q. And you weren't given any of this evidence
13 that I've just shown you?

14 A. I wasn't given that document that you
15 referred to, but as far as I can see, that's
16 Mr. Seda's statements of how he thinks he's impacted
17 as opposed to evidence to show that he's impacted.

18 Q. And have you seen the documentation or
19 exchanges with the banks that called the loan? Have
20 you seen any of that documentation?

21 A. Yes, I have seen--I have seen documentation
22 in relating--relating to the banks, yes.

1 Q. And it's still your position that the asset
2 forfeiture proceeding with respect to the Meritage did
3 not impact any of the other measures--investments; is
4 that your position? It did not impact the Luxé?

5 A. No. That's not my position. That's not my
6 position. My position in Paragraph 119 is concerning
7 the other investments, but it clearly says, if the
8 Claimants were unable to undertake these projects
9 themselves (overlapping speakers)-

10 Q. They could sell it.

11 A. -due to lack of financing, they should have
12 been able to sell the projects to other investors.

13 So, my comment is in relation to-I'm not-I'm
14 not in a position really to make a judgment on the
15 facts of the case.

16 Q. Right.

17 A. But I'm trying to make my judgment as an
18 economist to take into account of, well, there's two
19 scenarios here, really. Either he can continue to
20 develop the Projects because he's not impacted on
21 these projects, or if he can't do it on these
22 projects, he should be able to economically, they're

1 worth the Net Present Value that the Claimants say
2 they are, he should be able to sell the projects to
3 another investor, and I haven't seen evidence that
4 that's not a possibility, that either of those two
5 scenarios are not a possibility.

6 Q. So, your assumption, though, is that someone
7 would be able to buy from him, that someone would
8 transact with Mr. Seda's company?

9 A. Implicit in that is the assumption that,
10 either yes, that someone--that he should have been
11 able to sell them.

12 Q. Yes.

13 And if he was prevented from being able to
14 sell them, if nobody would buy from or transact with
15 the Royal Property Group, then you'd take a different
16 view; correct?

17 A. Yes, logically if he is impacted and he can't
18 develop them and he can't also sell them, then I would
19 take a different view that economically those projects
20 must have been impacted, then.

21 MR. MOLOO: I have no further questions,
22 Mr. President.

1 PRESIDENT SACHS: Thank you very much.

2 Will there be redirect?

3 MR. DAOUD: Short one, Mr. Chairman.

4 PRESIDENT SACHS: Please go ahead.

5 REDIRECT EXAMINATION

6 BY MR. DAOUD:

7 Q. Dr. Hern, counsel for Claimants took you to
8 Exhibit C-434. If we can show it on the screen.

9 Sorry, 434, C-434.

10 MS. BANIFATEMI: I want to make sure that
11 someone is trying to show the document on screen.
12 Thank you.

13 (Pause.)

14 MR. DAOUD: Perhaps, while the document is
15 being opened, I can take Dr. Hern to a different point
16 and then get back to this.

17 PRESIDENT SACHS: We have it now.

18 MR. DAOUD: Okay.

19 BY MR. DAOUD:

20 Q. So, it's Page 51, which is, I think, Page 63
21 of the PDF that you were shown. 51, which is Page 63
22 of the PDF. And it's the third paragraph. You were

1 shown the third paragraph.

2 Now, you, when answering, you were
3 saying--you said you understand what is happening
4 here, and then you were not given an opportunity to
5 explain. Do you wish to explain?

6 A. Yes. I mean, my understanding from this
7 paragraph is what CBRE are doing is they're trying to
8 value what the land is worth of--for this development,
9 and they're using a DCF Model to forecast the cash
10 flows that might come from developing this land, and
11 then discounting it back with a Cost of Capital to
12 derive the economic value of the land.

13 And you know I think that's exactly what
14 I'm doing, actually, which is I'm deriving the value
15 of the Investment by looking at what is invested, and
16 that should be equivalent to a Discounted Cash Flow of
17 the cash flows discounted at the Cost of Capital,
18 which is actually what I find.

19 So, CBRE's use of a DCF Model in this
20 context is actually pretty much what I'm doing in my
21 valuation.

22 Q. And here, CBRE, were they valuing a project

1 or land?

2 A. No, they were--they appear to be valuing the
3 underlying land.

4 Q. Yes.

5 Thank you.

6 Now, counsel for Claimants also asked you if
7 Royal Realty had a right for fees for managing the
8 Projects, and he showed you Exhibit BRG 48, which
9 relates to the Meritage Project.

10 A. Um-hmm.

11 Q. Are you aware of any--so that's BRG 48 is a
12 contract relating to the Meritage Project. Have you
13 seen any contracts, similar contracts for Tierra
14 Bomba, 450 Heights, or Sante Fé?

15 A. I don't recall, actually.

16 Q. Thank you, Dr. Hern.

17 MR. DAOUD: Thank you, Mr. Chairman, that
18 will be all.

19 PRESIDENT SACHS: We have no further
20 questions. Thank you, Dr. Hern.

21 THE WITNESS: Thank you, sir.

22 PRESIDENT SACHS: Your expert testimony is

1 now terminated. You're released.

2 (Witness steps down.)

3 PRESIDENT SACHS: All right. Shall we have
4 a five-minute break, and then discuss the further
5 proceedings or shall we immediately continue?

6 MR. MOLOO: I don't think we will take that
7 long because there seems to be, I think aside from the
8 specific dates, agreement.

9 PRESIDENT SACHS: Okay, good. Then you are
10 now released.

11 (Witness steps down.)

12 PRESIDENT SACHS: David, we do not need the
13 discussion on the record. Once we have agreed,
14 hopefully, on what is to happen, then we will go back
15 to the record.

16 (Discussion off the record.)

17 PRESIDENT SACHS: Okay, yes. I think we have
18 now identified dates for in-person closing hearing,
19 namely October 1 and 2, and possibly as an alternative
20 and preference, October 2 and 3, depending on
21 Mr. Poncet's availability to come to Paris on
22 October 2.

1 (Tribunal confers.)

2 Alright. Now, we do reverse-engineering.
3 What would be the deadlines for your first round, plus
4 the limited rebuttal if we understood correctly?

5 MS. BANIFATEMI: Is that all right if we
6 consult internally and coordinate-

7 PRESIDENT SACHS: Yes.

8 MS. BANIFATEMI: --among Parties and come
9 back to the Tribunal with this?

10 PRESIDENT SACHS: Yes.

11 Maybe with respect to the other items with
12 the deadlines that you mentioned with respect to the
13 closing of the record, 31 May, and also your agreement
14 as regards the documents which are still outstanding
15 and deleted documents which--on which you're still
16 conferring, if we could all this have in writing and
17 confirmed by you both, then we would put this in a
18 Procedural Order that would--

19 MS. BANIFATEMI: With pleasure.

20 PRESIDENT SACHS: --that would be good.

21 All right, on the principle we agree, namely
22 one round of submissions, and with the possibility of

1 a limited rebuttal on the security, essential security
2 defense only, and that is what we understood.

3 250 pages we understood?

4 MS. BANIFATEMI: 150.

5 PRESIDENT SACHS: Sorry, 150 pages, okay.

6 MS. BANIFATEMI: And one round of

7 consecutives.

8 PRESIDENT SACHS: And one round on
9 consecutive briefs, yes. And we may send you a list
10 of questions after this Hearing next week or so, and
11 for you to consider in particular.

12 All right.

13 Any further?

14 MR. MOLOO: Nothing from us, just to thank
15 you gentlemen for your time and attention this week.

16 PRESIDENT SACHS: Respondent, any?

17 MS. BANIFATEMI: And likewise, with our
18 thanks to the Tribunal for its patience and its
19 diligence in this matter. Thank you very much.

20 PRESIDENT SACHS: So it's our turn, then, to
21 thank counsel for an--the efficient conduct of the
22 proceedings. With few exceptions, this was, as it

1 should be--the exceptions I mean it is quite natural
2 that from time to time there are procedural incidents,
3 but we were very pleased about the quality of your
4 legal work and presentation of the case, and thank you
5 very much.

6 I also want, of course, to thank the
7 Interpreters who did a great job. Our thanks go, of
8 course, to Leandro and David. It was not easy,
9 always, and we know the usual quality of David's
10 Transcripts. Unfortunately, I didn't look into
11 Leandro's Transcripts, but I would assume that they
12 are of equal quality.

13 And last but not least, I want to thank Sara
14 and ICSID for having hosted us and having organized
15 all this so efficiently.

16 And, with that, I close this evidentiary
17 hearing, and wish you well for a safe journey back, as
18 the case may be, to Latin America or Paris. Thank you
19 very much.

20 (Whereupon, at 12:27 p.m., the Hearing was
21 concluded.)

CERTIFICATE OF REPORTER

I, David A. Kasdan, RDR-CRR, Court Reporter, do hereby certify that the foregoing proceedings were stenographically recorded by me and thereafter reduced to typewritten form by computer-assisted transcription under my direction and supervision; and that the foregoing transcript is a true and accurate record of the proceedings.

I further certify that I am neither counsel for, related to, nor employed by any of the parties to this action in this proceeding, nor financially or otherwise interested in the outcome of this litigation.



DAVID A. KASDAN